CARBON DIOXIDE DA[illegible] STATION S10 P16 Sheet No. _____

Span _____ Zero _____ Freezer Temp. _____ Date AUG. 31, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 74 _____ From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-11.16 (81)
31.4.81

	L1 AL	L2	L3 AL	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-8.	9	-9.	4		-9.2											
0100	-8.	9	-11.	4		-10.2											
0130	—		—			—											
0200	-11.	0	-12.	0		-11.5											
0230	-12.	1	-12.	0		-12.0											
0300	-11.	7	—			-11.7											
0330	—		-12.	0		-12.0											
0400	-11.	7	-11.	5		-11.6											
0430	-11.	7	-11.	7		-11.7											
0500	—		-8.	9		-8.9											
0530	-10.	0	-9.	4		-9.7											
0600	-9.	1	-8.	0		-8.6											
0630	-8.	2	-8.	1		-8.2											
0700	-10.	0	-9.	5		-9.8											
0730	-9.	5	-9.	3		-9.4											
0800	-9.	5	-9.	4		-9.4											
0830	-9.	6	-9.	8		-9.7											
0900	-9.	7	-9.	1		-9.4											
0930	-8.	9	-9.	5		-9.2	-9.2										
1000	-8.	5	-9.	8		-9.2											
1030	-9.	3	-9.	4		-9.4											
1100	-8.	8	-9.	5		-9.2											
1130	-9.	6	—			-9.6											
1200	—		—			—											
1230	-8.	8	-9.	2		-9.0											
1300	-12.	9	-10.	1		-11.5											
1330	-12.	4	-12.	2		-12.3											
1400	-12.	2	-12.	5		-12.4											
1430	-12.	5	-12.	8		-12.6											
1500	-12.	8	-12.	5		-12.6											
1530	-12.	9	-12.	5		-12.7											
1600	-12.	5	-12.	3		-12.4											
1630	-13.	2	-13.	8		-13.5											
1700	-14.	0	-13.	9		-14.0											
1730	-14.	0	-14.	1		-14.0											
1800	-14.	5	-14.	1		-14.3											
1830	-14.	4	-14.	2		-14.3											
1900	-14.	7	-13.	8		-14.2											
1930	-14.	4	-12.	9		-13.6											
2000	-13.	3	-13.	0		-13.2											
2030	-6.	3	—			-6.3											
2100	—		—			—											
2130	—		-9.	4		-9.4											
2200	—		—														
2230	-12.	0	-11.	8		-11.9											
2300	-12.	5	-12.	8		-12.6											
2330	—		—			—											32676 + 0
2400	-13.	6	-13.	0		-13.3											0.9350

HN 13.9 - 14.0

CARBON DIOXIDE DA[illegible] STATION S10 PIER Sheet No. _____

Span _____ Zero _____ Freezer Temp. _____ Date AUG. 30, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 74 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

- 11.90 (87)
314.03

	AH L1	AH L2	AC L3	AC L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-12.9		-12.9			-12.9											
0100	-12.0		-12.0			-12.0											
0130	-11.9		-12.1			-12.0											
0200	-11.9		-12.2			-12.0											
0230	-12.3		-11.8			-12.0											
0300	-11.5		-10.9			-11.2											
0330	-10.6		-10.2			-10.4											
0400	-9.5		-9.5			-9.7											
0430	-9.3		-9.4			-9.4											
0500	-9.7		-8.6			-9.2											
0530	-9.8		-9.9			-9.8											
0600	-9.7		-9.1			-9.4											
0630	-9.8		-9.9			-9.8											
0700	-9.8		-9.8			-9.8											
0730	-10.3		-10.6			-10.4											
0800	-10.5		-11.0			-10.8											
0830	-11.4		-11.0			-11.2											
0900	-10.4		-10.0			-10.2											
0930	-9.9		-10.9			-10.4											
1000	-11.4		-11.0			-11.2											
1030	-11.5		-11.6			-11.6											
1100	-11.2		-11.3			-11.2											
1130	-10.9		-11.0			-11.0											
1200	-10.8		-10.9			-10.8											
1230																	
1300																	
1330																	
1400	—		-14.0			-14.0											
1430	-13.9		-13.7			-13.8											
1500	-14.3		-14.1			-14.2											
1530	-14.4		-14.5			-14.4											
1600	-14.3		-14.5			-14.4											
1630	-14.3		-13.9			-14.1											
1700	-14.5		-14.5			-14.5											
1730	-14.1		-14.5			-14.3											
1800	-14.1		-14.9			-14.5											
1830	-14.1		-14.5			-14.3											
1900	-15.0		-14.8			-14.9											
1930	-15.0		-14.7			-14.8											
2000	-14.7		-14.7			-14.7											
2030	-13.3		-12.6			-13.0											
2100	-12.9		-12.0			-12.4											
2130	-11.4		-11.0			-11.2											
2200	-12.9		-11.6			-12.2											
2230	-11.3		-5.7			-8.5											
2300	—		—			—											
2330	-9.6		-10.0			-9.8											326.76 + 0
2400	-11.2		-11.0			-11.1											09350
	-9.8		—														

CARBON DIOXIDE DA[illegible] STATION S10 PIER[illegible] Sheet No. _____

Span _____ Zero _____ Freezer Temp. _____ Date AUG. 29, 1957

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 74 _____ From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-13.43 (75)

312.39

	L1 AH	L2	L3 AL	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030																	
0100																	
0130	—		-13.1			-13.1											
0200	-19.5		-19.2			-19.4											
0230	-19.2		-19.5			-19.4											
0300	-19.5		-19.8			-19.8											
0330	-19.0		-19.0			-19.0											
0400	-19.1		-19.1			-19.1											
0430	-13.8		-19.0			-13.5											
0500	-19.3		-19.2			-19.2											
0530	-19.2		-19.0			-19.1											
0600	-19.3		-13.8			-19.0											
0630	-13.9		-19.2			-19.0											
0700	-19.0		-13.7			-13.8											
0730	-13.5		-13.0			-13.2											
0800	-12.6		-12.5			-12.6											
0830	-12.3		-12.3			-12.3											
0900	-11.5		-11.3			-11.4											
0930	-11.7		-12.0			-11.8											
1000	-12.1		-11.7			-11.9											
1030	-10.2		-10.0			-10.1											
1100	-11.5		-11.8			-11.6											
1130	-12.1		-12.6			-12.4											
1200	-12.3		-11.8			-12.0											
1230																	
1300																	
1330																	
1400																	
1430																	
1500																	
1530																	
1600																	
1630	-13.9		-13.8			-13.8											
1700	-13.5		-13.5			-13.5											
1730	-13.8		-13.9			-13.8											
1800	-14.0		-14.1			-14.0											
1830	-14.5		-14.6			-14.6											
1900	-14.6		-14.8			-14.7											
1930	-15.0		-14.9			-15.0											
2000	-14.7		-14.7			-14.7											
2030	-14.7		-14.9			-14.8											
2100	-14.8		-14.5			-14.6											
2130	-13.7		-14.2			-14.0											
2200	-13.9		-14.0			-14.0											
2230	-12.5		-12.8			-12.6											
2300	-12.9		-12.9			-12.9											
2330	-12.1		-11.8			-12.0											326.76 + 0
2400	-12.9		-13.8			-13.4											0.9350

HN

CARBON DIOXIDE DA[illegible] STATION S10 PIER Sheet No. _____

Span _____ Zero _____ Freezer Temp. _____ Date AUG. 28, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 79 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-13.94 (-77)

311.84

	AH L1	L2	AL L3	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-12.6		-12.7			-12.6											
0100	-13.6		-13.8			-13.7											
0130	-13.8		-13.7			-13.8											
0200	-14.1		-14.1			-14.1											
0230	-14.2		-13.7			-14.0											
0300	-13.5		-14.0			-13.8											
0330	-13.5		-12.9			-13.2											
0400	-13.0		-13.4			-13.2											
0430	-13.5		-13.3			-13.4											
0500	-13.2		-12.9			-13.0											
0530	-13.7		-13.7			-13.7											
0600	-13.2		-12.8			-13.0											
0630	-12.7		-12.7			-12.7											
0700	-13.1		-13.1			-13.1											
0730	-12.5		-12.5			-12.7											
0800	-13.4		-13.3			-13.4											
0830	-12.5		-12.8			-12.6											
0900	-12.6		-13.3			-13.0											
0930	-10.3		—			-10.3											
1000	—		-12.3			-12.3											
1030	-14.1		-14.4			-14.2											
1100	—		-14.2			-14.2											
1130	-14.3		-14.4			-14.4											
1200	-14.5		-14.2			-14.4											
1230	-14.5		-14.2			-14.4											
1300	-14.3		-14.1			-14.2											
1330	-14.0		-13.9			-14.0											
1400	-14.3		-14.1			-14.2											
1430	-14.4		-14.5			-14.4											
1500	-14.4		-14.5			-14.4											Air Samples taken (Keeling (?)) X-25 TO X-28
1530	-14.5		-14.2			-14.4											
1600	-15.0		-14.5			-14.8											
1630	-15.1		-14.8			-15.0											
1700	-15.2		-15.0			-15.1											
1730	-15.1		-15.5			-15.3											
1800	-15.8		-15.5			-15.6											
1830	-15.8		-15.7			-15.8											
1900	-16.0		-15.6			-15.8											
1930	-15.8		-15.8			-15.8											
2000	-15.7		-14.8			-15.2											
2030																	
2100																	
2130																	
2200																	
2230																	
2300																	
2330																	32676+ 0
2400																	.9350

HN

CARBON DIOXIDE DA[illegible] STATION S10 PIER[illegible] Sheet No. _____

Span _____ Zero _____ Freezer Temp. _____ Date AUG. 27, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 54 From Ref tank test of 77

Tank Press. _____ psI Obs. _____

-13.95 (73)

311.83

	L1	L2	L3	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030																	
0100																	
0130																	
0200																	
0230																	
0300																	
0330																	
0400																	
0430																	
0500	-13.9	-14.0				-14.0											
0530	-13.8	-14.2				-14.0											
0600	-13.5	-13.5				-13.5											
0630	-13.1	-13.6				-13.4											
0700	-13.1	-13.7				-13.9											
0730	—	—				—											
0800	-13.0	-13.2				-13.1											
0830	-13.2	-13.5				-13.4											
0900	-13.2	-13.6				-13.4											
0930	-12.9	-13.3				-13.1											
1000	-13.2	-13.4				-13.3											
1030	-13.5	-13.6				-13.6											
1100	-13.5	-12.8				-13.2											
1130	-13.5	-13.0				-13.2											
1200	-13.2	-12.8				-13.0											
1230	-13.5	-12.7				-13.1											
1300	-13.3	-13.5				-13.4											
1330	-13.4	-14.1				-13.8											
1400	-13.5	-13.5				-13.5											
1430	-13.8	-14.0				-13.9											
1500	-14.0	-14.6				-14.3											
1530	-14.7	-14.8				-14.8											
1600	-14.2	-12.2				-13.2											
1630	-16.3	-14.9				-15.6											
1700	-14.5	-15.1				-15.0											
1730	-15.2	-14.9				-15.0											
1800	-15.4	-15.1				-15.2											
1830	-15.0	-15.1				-15.0											
1900	-15.5	-15.6				-15.6											
1930	-15.7	-15.6				-15.6											
2000	-15.8	-15.5				-15.6											
2030	-15.4	-15.2				-15.3											
2100	-15.5	-15.4				-15.4											
2130	-13.0	-12.5				-12.8											
2200	-12.5	-12.5				-12.5											
2230	—	-13.6				-13.6											
2300	-14.5	-15.1				-14.8											
2330	—	—				—											323.76 + 0
2400	-11.1	-11.7				-11.4											0.9350

HN -12.3

CARBON DIOXIDE DA[illegible] STATION S10 PIES Sheet No. _____

Span _____ Zero _____ Freezer Temp. _____ Date AUG. 24, 1959

One ordinate - ✓ ppm

Flow _____ lpm _____ Working Ref. Tank _____ From Ref tank test of 74

Tank Press. _____ psI Obs. _____

-15.00 (-81)

310.71

	AH L1	L2	AL L3	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-19.1		-19.3			-19.2											
0100	-19.7		-19.1			-19.4											
0130	-19.5		-19.2			-19.4											
0200	-19.8		-19.2			-19.5											
0230	-15.0		-19.2			-19.6											
0300	-19.8		-19.4			-19.6											
0330	-15.3		—			-15.3											
0400	—		-15.9			-15.9											
0430	-15.2		-15.2			-15.2											
0500	-15.6		-19.6			-15.1											
0530	-19.9		-15.1			-15.0											
0600	-15.5		-15.2			-15.4											
0630	-19.4		-19.8			-19.6											
0700	-19.4		-19.5			-19.9											
0730	-19.6		-15.0			-19.8											
0800	-19.4		-19.8			-19.6											
0830	-15.8		-15.7			-15.8											
0900	-16.5		-15.6			-16.0											
0930	-16.3		-15.9			-16.1	✓										
1000	-16.3		-15.7			-16.0											
1030	-15.6		-19.1			-19.8											
1100	-15.2		-15.0			-15.1											
1130	-15.2		-15.1			-15.2											
1200	-13.5		-13.3			-13.4											POOR TRACE
1230	-19.2		-19.7			-19.4											
1300	-19.4		-13.6			-19.0											
1330	-13.8		-13.0			-13.4											
1400	-19.8		-19.6			-19.7											
1430	-13.2		-19.3			-13.8											
1500	-15.0		-19.6			-19.8											
1530	-15.1		-15.0			-15.0											
1600	-15.6		-15.1			-15.4											
1630	-15.0		-15.0			-15.0											
1700	-15.2		-15.5			-15.4											
1730	-16.2		-16.0			-16.1	✓										
1800	-16.2		-15.8			-15.0											
1830	-16.3		-15.7			-16.0											
1900	-15.5		-16.0			-16.0											
1930	-16.1		-15.5			-15.8											
2000	-16.0		-15.4			-15.7											
2030	-16.2		-15.0			-15.6											
2100	-15.2		—			-15.2											Flasks Taken X-1 to X-4
2130																	
2200																	
2230																	
2300																	
2330																	323.76 + 0
2400																	0930

HN

CARBON DIOXIDE D[illegible]A STATION 510 Pier Sheet No. _____

Span _____ Zero _____ Freezer Temp. _____ Date Aug. 23, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank _____ From Ref tank test of 24

Tank Press. _____ psI Obs. _____

-13.84 (90)
311.95

	AH L1	AH L2	AL L3	AL L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-13.5		-15.5			-14.5											
0100	-14.1		-14.2			-14.2											
0130	-14.8		11.9			-13.4											
0200	-12.8		-12.8			-12.8											
0230	-11.3		-10.8			-11.0											
0300	-11.5		-9.2			-10.4											
0330	-9.5		-10.3			-9.9											
0400	-9.8		-9.7			-9.8											
0430	-12.2		-10.6			-11.4											
0500	-5.6		-12.4			-9.0											
0530	-9.1		-9.8			-9.4											
0600	-10.0		-10.9			-10.4											
0630	-8.0		-9.8			-8.9											
0700	-12.4		-13.4			-12.9											
0730	-13.8		-13.8			-13.8											
0800	-13.4		-13.4			-13.4											
0830	-13.8		-14.0			-13.9											
0900	-14.1		-14.3			-14.2											
0930																	
1000																	
1030																	
1100	-14.8		-15.1			-15.0											
1130	-14.6		-15.0			-14.8											
1200	-14.9		-15.1			-15.0											
1230	-15.3		-15.4			-15.4											
1300	-15.7		-15.8			-15.8											
1330	-16.2		-16.2			-16.2											
1400	-16.2		-16.7			-16.4											
1430	-16.1		-15.9			-15.0	(-16.0)										
1500	-16.0		-15.4			-15.7											
1530	-15.6		-15.6			-15.6											
1600	-15.8		-15.8			-15.8											
1630	-15.8		-15.9			-15.8											
1700	-15.8		-16.1			-16.0											
1730	-15.5		-15.0			-15.2											
1800	-15.2		-15.2			-15.4											
1830	-15.0		-15.8			-15.4											
1900	-15.8		-15.3			-15.6											
1930	-15.5		-15.7			-15.6											
2000	-15.8		-15.8			-15.8											
2030	-19.5		-14.9			-14.7											
2100	-19.5		-14.8			-19.6											
2130	-19.4		-14.4			-19.4											
2200	-14.6		-19.2			-19.4											
2230	-19.1		-19.6			-19.4											
2300	-19.0		-13.7			-13.8											
2330	-13.8		-13.5			-13.6											32676 + 0 / 0.9350
2400	-13.3		-13.0			-13.2											
	-14.1		-14.4														

CARBON DIOXIDE D[illegible]A STATION 510 Pier Sheet No. 21

Span _____ Zero _____ Freezer Temp. _____ Date Aug. 22, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 74 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-9.45 (-96)

316.65

	AH L1 / L2	AH L3 / L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-16.2	-14.9		-15.6											
0100	-15.0	-15.3		-15.2											
0130	-15.3	-19.5		-14.8	(-14.9)										
0200	-13.3	-13.7		-13.5											
0230	-14.3	-13.9		-14.1											
0300	-13.6	-12.8		-13.2											
0330	-13.1	-13.0		-13.0											
0400	-13.6	-11.6		-12.6											
0430	-11.9	-12.3		-12.1											
0500	-9.5	-12.2		-10.6	(-10.8)										
0530	-12.8	-13.4		-13.1											
0600	-11.7	-13.3		-12.5											
0630	-12.8	-13.2		-13.0											
0700	-13.4	-13.9		13.6											
0730	-12.7	-12.5		-12.6											
0800	-11.5	-10.4		-11.0											
0830	-11.2	-11.5		-11.4											
0900	-10.5	-10.2		-10.4											
0930	-9.8	-10.5		-10.2											
1000	-9.3	-9.6		-9.4											
1030	-9.2	-9.0		-9.1											
1100	-9.0	-8.2		-8.6											
1130	-7.8	-8.5		-7.6											
1200	-5.9	-4.3		-5.1											
1230	-2.5	-0.3		-1.4											
1300	-0.4	+0.9		~~[illegible]~~	+0.2										
1330	+0.8	+1.3		+1.2	(+1.0)										
1400	+0.5	-2.0		+0.2											
1430	-1.8	-2.1		-2.0											
1500	-1.9	-2.2		-2.0											
1530	-1.4	-5.2		-3.3											
1600	-8.2	-5.2		-7.2	(-6.7)										
1630	-7.6	-4.8		-6.1											
1700	-4.9	-4.8		-4.8											
1730	-6.7	-5.2		-6.0											
1800	-4.7	-4.9		-4.8											
1830	-6.0	-8.5		~~-7.8~~	-6.8 (-7.2)										
1900	-9.2	-8.7		-9.0											
1930	-8.9	-9.5		-9.2											
2000	-8.6	-6.5		-15.1	(-7.6)										
2030	-11.1	-12.8		-12.0											
2100	-9.2	-12.8		-11.0											
2130	-12.2	-13.6		-12.9											
2200	-13.3	-12.0		-12.6											
2230	-11.1	-14.1		-12.6											
2300	-14.0	-14.2		-14.1											
2330	-14.3	-13.4		-13.8											326.76 + 0
2400	-13.5	-12.7		-13.1											0.9350

HN

CARBON DIOXIDE D[illegible]A STATION 510 Pier[illegible] Sheet No. [illegible]

Span _____ Zero _____ Freezer Temp. _____ Date Aug 21, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 74 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-15.03 (-98)

310.68

	AH L1 / L2	AL A3 / L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-16.9	-16.0		-16.2											
0100	-15.7	-15.2		-15.4											
0130	-15.8	-15.0		-15.4											
0200	-15.1	-14.7		-14.9											
0230	-14.8	-15.2		-15.0											
0300	-15.4	-15.0		-15.2											
0330	-14.4	-14.9		-14.6											
0400	-15.3	-13.7		-14.5											
0430	-12.8	-13.9		-13.4											
0500	-13.3	-13.5		-13.4											
0530	-13.1	-12.3		-12.7											
0600	-12.0	-12.4		-12.2											
0630	-13.8	-13.8		-13.8											
0700	-13.2	-12.5		-12.8											
0730	-13.2	-13.5		-13.4											
0800	-12.9	-11.0		-12.0											
0830	-9.4	-11.4		-10.4											
0900	-11.9	-10.0		-11.0											
0930	-11.7	-13.1		-12.4											
1000	-14.2	-14.6		-14.4											
1030	-13.7	-14.0		-13.8											
1100	-13.2	-12.1		-12.6											
1130	-13.4	-14.2		-13.8											
1200	-13.8	-14.6		-14.2											
1230	-15.6	-14.8		-15.2											
1300	-14.1	14.8		-14.4											
1330	-14.8	-15.7		-15.2											
1400	-16.2	-16.3		-16.2											
1430	-16.1	-16.7		-16.4											
1500	-16.2	-16.5		-16.4											
1530	-16.2	-17.0		-16.6											
1600	-16.5	-17.2		-16.8											
1630	-16.8	-18.8		-17.8											
1700	-17.5	-18.2		-17.8											
1730	-18.0	-18.1		-18.0											
1800	-18.2	-17.3		-17.8											
1830	-17.0	-18.2		-17.6											
1900	-16.3	-17.3		-16.8											
1930	-15.8	-18.2		-17.0											
2000	-17.3	-16.5		-16.9											
2030	-17.5	-16.9		-17.2											
2100	-16.9	-16.3		-16.6											
2130	-16.2	-14.0		-15.1											
2200	-14.9	-14.8		-14.8											
2230	-15.0	-16.7		-15.8											
2300	-16.4	-16.2		-16.3											
2330	-14.2	-15.0		-14.6											
2400	-15.2	-14.8		-15.0											
	-16.4	-17.0		-16.7											

326.76 + 0 / 0.9350

CARBON DIOXIDE D[illegible]A STATION 510 Pier Sheet No. _____

Span 340.0 Zero 880.0 Range 2 Freezer Temp. _____ Date Aug 20, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 74 _____ From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-15.30 (62)

510 39

	AH L1	L2	AL L3	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-16.8		-16.8			-16.8											
0100	-17.0		-17.0			-17.0											
0130	-16.8		-17.0			-16.9											
0200	-17.0		-17.2			-17.1											
0230	-16.9		-17.0			-17.0											
0300	-16.8		-17.2			-17.0											
0330	-16.3		-16.6			-16.4											
0400	-16.5		-16.0			~~-15.7~~	-16.2										
0430	-15.7		-15.7			-15.7											
0500	-16.2		-12.7			-14.4											
0530	-12.5		-14.8			-13.6											
0600	-14.9		-11.5			-13.2											
0630	-12.2		-13.8			-13.0											
0700	-14.8		-12.3			-13.6											
0730	-16.1		-14.1			-15.1											
0800	-16.7		-15.9			-16.3											
0830	-15.8		-13.5			-14.6											
0900	-15.3		-13.5			-14.9											
0930	-15.3		-15.8			-15.6											
1000	-15.2		-16.1			-15.6											
1030	-15.9		-16.0			-16.0											
1100																	
1130																	
1200																	
1230																	
1300																	
1330																	
1400																	
1430																	
1500																	
1530																	
1600																	
1630																	
1700																	
1730																	
1800																	
1830																	
1900																	
1930																	
2000	-16.6		-16.2			-16.4											
2030	-16.8		-16.7			-16.8											
2100	-17.4		-15.8			-16.6											
2130	-15.1		-14.8			-15.0											
2200	-14.4		-14.0			-14.2											
2230	-13.3		-11.7			-12.5											
2300	-13.1		-13.4			-13.2											
2330	-13.4		-14.7			-14.0											
2400	-16.0		-15.3			-15.6											
	-15.8		-15.7			-15.8											

326.76 + σ
0.9350

CARBON DIOXIDE DATA STATION 510 Pier Sheet No. 1

Span 340.0 Zero 383.0 Range 2 Freezer Temp. _____ Date Aug. 19, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 74 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-15.88 (42)

309.77

	AH L1	L2	AL L3	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-15.9		-15.6			-15.8											
0100	-16.0		-15.8			-15.9											
0130	-16.2		-14.9			-15.6											
0200	-15.6		-15.7			-15.6											
0230	-15.6		-15.4			-15.5											
0300	-15.5		-15.2			-15.4											
0330	-15.7		-15.3			-15.5											
0400	-15.6		-14.6			-15.1											
0430	-15.1		-14.1			-15.6											
0500	-14.2		-15.0			-14.6											
0530	-15.8		-16.2			-16.0											
0600	-16.3		-16.2			-16.2											
0630	-16.0		-15.8			-15.9											
0700	-16.4		16.0			-16.2											
0730	-16.5		16.0			-16.2											
0800	-16.5		-16.3			-16.4											
0830	-16.4		-16.3			-16.4											
0900	-16.2		-16.2			-16.2											
0930																	
1000																	
1030																	
1100																	
1130																	
1200																	
1230																	
1300																	
1330																	
1400																	
1430																	
1500																	
1530																	
1600																	
1630																	
1700																	
1730																	
1800																	
1830																	
1900																	
1930																	
2000																	
2030																	
2100																	
2130																	
2200																	
2230																	
2300			-16.2			-16.2											
2330	-17.2		-16.5			-16.8											326.76 + 5
2400	-15.8		-17.1			-16.4											0.9350

HN

CARBON DIOXIDE D[illegible]A STATION 510 Pi[illegible]r Sheet No. [illegible]

Span 340.0 Zero 855.0 Freezer Temp. _____ Date Aug. 18, 1959

Range 2

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 74 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

15.64 (83)
3-10.03

	AH L1	AH L2	AL L3	AL L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-15.2		-15.7			-15.4											
0100	-15.7		-14.6			-15.2											
0130	-14.9		-15.4			-15.2											
0200	-16.4		-16.2			-16.2											
0230	-15.7		-15.7			-15.7											
0300	-16.1		-15.6			-15.8											
0330	-15.6		-15.7			-15.6											
0400	-14.7		-15.2			-15.0											
0430	-15.3		-14.8			-15.0											
0500	-15.5		-15.5			-15.5											
0530	-15.5		-15.3			-15.4											
0600	-15.6		-16.2			-15.9											
0630	-15.9		-15.6			-15.8											
0700	-15.8		-16.0			-15.9											
0730	-15.9		-15.8			-15.8											
0800	-15.8		-15.8			-15.8											
0830	-15.4		-15.6			-15.5											
0900	-15.7		-15.4			-15.6											
0930	-15.5		-15.1			-15.3											
1000	-15.3		-15.5			-15.4											
1030	-15.8		-15.0			-15.4											
1100	-15.8		—			-15.8											
1130																	
1200																	
1230																	
1300																	
1330																	
1400	—		-15.4			-15.4											
1430	-15.4		-15.8			-15.6											
1500	-15.4		-15.0			-15.2											
1530	-15.6		-15.4			-15.5											
1600	-15.5		-15.5			-15.5											
1630	-15.6		-15.6			-15.6											Samples Taken
1700	-15.7		-15.8			-15.8											
1730	-15.8		-15.8			-15.8											
1800	-16.2		-15.7			-16.0											
1830	-15.8		-15.8			-15.8											
1900	-16.0		-16.0			-16.0											
1930	-16.1		-15.8			-16.0											
2000	-16.0		-15.8			-15.9											
2030	-16.0		-15.7			-15.8											
2100	-16.0		-15.9			-16.0											
2130	-16.2		-15.7			-16.0											
2200	-16.0		-16.2			-16.1											
2230	-15.5		-15.4			-15.4											326.76 + 0 / 0.9350
2300	-15.7		-15.9			-15.8											
2330	-15.7		-15.1			-15.4											
2400	—		-15.8			-15.8											Pen Skiped

HN

CARBON DIOXIDE D[illegible]A STATION S10 Pi[illegible] Sheet No. _____

Span _____ Zero _____ Freezer Temp. _____ Date Aug 17, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 74 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-14.98 (.98)
310.73

	L1 AH	L2	L3 AL	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-16.7		-16.3		-16.5												
0100	-16.3		-16.2		-16.2												
0130	-16.5		-16.0		-16.2												
0200	-17.0		-17.2		-17.1												
0230	-16.7		-16.2		-16.4												
0300	-16.4		-16.3		-16.4												
0330	-16.0		-15.2		-15.6												
0400	-14.8		-14.6		-14.7												
0430	-14.8		-12.9		-13.8												
0500	-11.8		-12.4		-12.1												
0530	-12.2		-10.9		-11.6												
0600	-12.2		-12.3		-12.2												
0630	-11.8		-11.5		-11.6												
0700	-11.0		-11.0		-11.0												
0730	-11.5		-12.8		-12.2												
0800	12.8		-13.5		-12.2												
0830	-13.2		-13.3		-13.2												
0900	-13.7		-13.6		-13.6												
0930	-13.5		-14.8		-14.2												
1000	14.2		-14.2		-14.2												
1030	-14.1		-13.5		-13.8												
1100	-13.5		-14.2		13.8												
1130	-13.7		-14.1		-13.9												
1200	-14.3		13.4		-13.4												
1230	-12.7		-12.8		-12.8												
1300	-13.3		-15.0		-14.2												
1330	-16.2		-15.8		-16.0												
1400	-15.6		-15.9		-15.8												
1430	-16.0		-16.2		-16.1												
1500	-15.8		-16.1		-16.0												
1530	-16.2		-16.2		-16.2												
1600	-16.0		-16.0		-16.0												
1630	-15.8		-16.1		-16.0												
1700	-15.7		-15.8		-15.8												
1730	-16.1		-15.8		-16.0												
1800	-16.3		-16.2		-16.2												
1830	-16.2		-16.4		-16.3												
1900	-16.2		-16.5		-16.4												
1930	-16.3		-16.4		-16.4												
2000	-16.4		-16.3		-16.4												
2030	-16.4		-16.3		-16.4												
2100	-16.5		-16.3		-16.4												
2130	-16.3		-16.6		-16.4												
2200	-16.6		-16.8		-16.7												
2230	-16.4		-16.3		-16.4												
2300	-16.8		-15.8		-16.3												
2330	-16.2		-16.8		-16.0												326.76 + 0
2400	-16.1		-15.5		-15.8												09350
Ex	-15.3		-14.8		-15.0												

CARBON DIOXIDE D[illegible] STATION S10 Pier Sheet No. _____

Span 340 Zero 85 5 Freezer Temp. -49 °F. Date Aug. 16, 1959

One ordinate [redacted] ppm

Flow 0.1 lpm (74) Working Ref. Tank _____ From Ref tank test of _____

Tank Press. 1690 psi Obs. _____

-15.90 (98)
309.75

	AH ~~L1~~	~~L2~~	AL ~~L3~~	~~L4~~	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-17.5		-18.1			-17.8											
0100	-16.4		-15.1			-15.8											
0130	-15.4		-15.0			-15.2											
0200	-15.3		-15.7			-15.5											
0230	-15.7		-15.2			-15.4											
0300	-15.9		-15.2			-15.6											
0330	-16.5		-15.4			-16.0											
0400	-15.8		-15.6			-15.7											
0430	-17.0		-15.2			-16.1											
0500	-17.5		-16.7			-17.1											
0530	-17.3		-16.8			-17.0											
0600	-16.8		-15.8			-16.3											
0630	-15.9		-14.8			-15.4											
0700	-15.8		-15.0			-15.4											
0730	-15.7		-15.2			-15.4											
0800	-15.3		-15.2			-15.2											
0830	-15.4		-15.5			-15.4											
0900	-15.3		-15.4			-15.4											
0930	-15.9		-16.0			-16.0											
1000	-15.7		-15.9			-15.8											
1030	-15.4		-15.7			-15.6											
1100	-14.9		-14.8			-14.8											
1130	-14.7		-14.9			-14.8											
1200	-15.0		-14.3			-14.6											
1230	-14.7		-13.8			-14.2											
1300	-14.0		-14.0			-14.0											
1330	-14.1		-14.7			-14.4											
1400	-14.7		-16.3			-15.5											
1430	-15.4		-15.7			-15.6											
1500	-16.0		-16.0			-16.0											
1530	-16.2		-16.3			-16.2											
1600	-16.1		-15.8			-16.0											Ref. Gas Flow Reset 0.25
1630	-16.3		-16.3			-16.3											Weather: 8/10 Ac
1700	-16.5		-16.3			-16.4											Vis. 25-30 miles
1730	-16.3		-16.2			-16.2											Wind NW 10-12 Kts.
1800	-16.2		-16.4			-16.3											Flask Sample
1830	-16.4		-16.6			-16.5											
1900	-16.7		-16.2			-16.4											
1930	-16.5		-16.5			-16.5											
2000	-16.7		-16.3			-16.5											
2030	-16.5		-16.8			-16.6											
2100	-16.7		-16.8			-16.8											
2130	-16.4		-16.4			-16.4											
2200	-16.4		-16.5			-16.4											
2230	-16.3		-16.2			-16.2											
2300	-16.8		-16.7			-16.8											
2330	-16.5		-16.3			-16.4											32676 + 5
2400	-16.7		-16.3			-16.5											0.9350
Ex	-16.9		16.6			-16.7											

CARBON DIOXIDE D[illegible] STATION S10 Pier Sheet No. _____

Span _____ Zero _____ Freezer Temp. _____ Date Aug. 15, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 74 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-18.1 (1)
307.39

	~~L1~~ AH	~~L2~~	~~L3~~ AL	~~L4~~	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030																	
0100																	
0130																	
0200																	
0230																	
0300																	
0330																	
0400																	
0430																	
0500																	
0530																	
0600																	
0630																	
0700																	
0730																	
0800																	
0830																	
0900																	
0930																	
1000																	
1030																	
1100																	
1130																	
1200																	
1230																	
1300																	
1330																	
1400																	
1430																	
1500																	
1530																	
1600																	
1630																	
1700																	
1730																	
1800																	
1830																	
1900																	
1930																	
2000																	
2030																	
2100																	
2130																	
2200																	
2230																	326.76 + 5
2300																	0.9350
2330																	
2400		-18.1				-18.1											Defrost F.O. Trap

HN

CARBON DIOXIDE D[illegible]A STATION 510 Pier Sheet No. _____

Span 340.0 Zero 891.0 Freezer Temp. -50°F Date Aug. 12, 1959

Range 2 Range 1 at 1600

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 74 _____ From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-13.04 (65)
13/2.81

	~~L1~~ AH	~~L2~~	~~L3~~ AL	~~L4~~	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-13.3		-12.6			-13.0											
0100	13.7		-13.0			-13.4											
0130	13.9		-13.4			-13.6											
0200	13.4		-13.4			-13.4											
0230	12.9		-13.2			-13.0											
0300	13.0		-13.2			-13.1											
0330	-13.0		-12.7			-12.8											
0400	-13.1		-13.0			-13.0											
0430	-13.3		-12.8			-13.0											
0500	-13.2		-13.3			-13.2											
0530	-13.2		-13.2			-13.2											
0600	12.8		-13.4			-13.1											
0630	13.2		-13.2			-13.2											
0700	12.9		-13.2			-13.0											
0730	-13.2		-13.4			-13.3											
0800	-13.2		-13.4			-13.3											
0830	13.3		-13.2			-13.2											
0900	-13.5		-13.2			-13.4											
0930	12.6		-13.2			-12.9											
1000	-12.7		-13.0			-12.8											
1030	12.7		-12.8			-12.8											
1100	-12.7		-12.7			-12.7											
1130	-12.0		-13.0			-12.5											
1200	~~#6~~ -12.6		-12.4			-12.5											
1230	-12.6		-12.7			-12.6											
1300	12.8		-12.9			-12.8											
1330	-13.0		-12.8			-12.9											
1400	13.3		-12.8			13.0											
1430	13.2		-13.5			-13.4											
1500	13.3		-13.0			-13.2											
1530	12.9		-13.6			-13.4	(-13.2)										
1600	13.2		-13.2			-13.2											
1630	12.6		—			-12.6											
1700																	
1730																	
1800																	
1830																	
1900																	
1930																	
2000																	
2030																	
2100																	
2130																	
2200																	
2230																	
2300																	
2330																	326.96 + 0
2400																	0.9350

HN

CARBON DIOXIDE D[illegible]A STATION 510 Pie[illegible] Sheet No. _____

Span 340.0 Zero 891.0 Freezer Temp. −50°F. Date Aug. 11, 1959

Range 2

One ordinate - _____ ppm

Flow _____ lpm 24 Working Ref. Tank _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

−13.70 (35)

312.10

	~~L1~~ AH	~~L2~~	~~L3~~ AL	~~L4~~	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	−12.2		−12.4		−12.3												
0100	12.6		−12.7			−12.6											
0130	−13.1		−12.5			−12.8											
0200	−13.2		−14.8			−14.0											
0230	−14.9		−14.2			−14.6 ✓											
0300	−14.4		−14.8			−14.6 ✓											
0330	−14.5		−14.4			−14.4											
0400	14.2		−13.8			−14.0											
0430	14.2		−13.8			−14.0											
0500	−14.2		−13.4			−13.8											
0530	−14.3		−13.5			−13.9											
0600	13.2		−14.0			~~−13.8~~ −13.6											
0630	−13.9		−14.2			−14.0											
0700	14.0		−14.1			−14.0											
0730	14.6		—			−14.6 ✓											
0800																	
0830																	
0900																	
0930																	
1000																	
1030																	
1100																	
1130																	
1200																	
1230																	
1300																	
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1430																	
1500																	
1530																	
1600																	
1630																	
1700																	
1730																	
1800																	
1830																	
1900																	
1930																	
2000																	
2030																	
2100																	
2130																	
2200																	
2230																	
2300	−13.9		−13.4			−13.6											
2330	−13.2		−13.3			−12.2											326.76 + 0
2400	13.2		−14.0			−13.6											0.9350

HN

CARBON DIOXIDE D[illegible] STATION 510 Pier[illegible] Sheet No. _____

Span 340.0 Zero 890.3 Freezer Temp. -47°E Date Aug. 10, 1959

Range 2

One ordinate [redacted] ppm

Flow 0.25 lpm 74 Working Ref. Tank _____ From Ref tank test of _____

Tank Press. 1990 psi Obs. _____

-12.90 (65)

312.96

	L1 AH	L2	L3 AL	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-15.8		-14.6			-14.9	(-15.2)										
0100	-13.0		-13.2			-13.1											
0130	-11.7		-13.2			-12.7	(-12.9)										
0200	-13.4		-13.7			-13.6											
0230	-13.7		-12.5			-13.1											
0300	-13.2		-13.2			-13.2											
0330	-14.0		-14.1			-14.0											
0400	-14.6		-14.5			-14.6											
0430	-14.5		-13.8			-14.2											
0500	-13.7		-14.1			-13.9											
0530	-13.9		-14.0			-14.0											
0600	-13.6		-12.3			-13.0											
0630	-13.4		13.7			-13.6											
0700	-13.8		-13.7			-13.8											
0730	-12.5		-13.4			-13.0											
0800	-13.0		-12.5			-12.8											
0830	-12.5		-11.2			-11.8											
0900	12.2		-12.2			-12.2											
0930	12.2		—			-12.2											
1000																	
1030																	
1100																	
1130																	
1200																	
1230																	
1300																	
1330																	
1400																	
1430																	
1500																	
1530																	
1600																	
1630																	
1700																	
1730																	
1800	12.3		-12.7			-12.5											
1830	12.8		-12.7			-12.8											
1900	12.9		-12.7			-12.8											
1930	13.0		-12.5			-12.8											
2000	-13.1		-12.7			-12.9											
2030	12.5		-12.6			-12.6											
2100	13.2		-12.3			-12.8											
2130	12.4		-12.3			-12.4											
2200	-11.6		-12.1			-11.8											
2230	-11.9		-11.4			-11.6											
2300	-11.4		-11.0			-11.2											
2330	-10.6		-10.8			-10.7											326.76 + 0
2400	12.8		-12.1			-12.4											0.9350

HN

CARBON DIOXIDE D[illegible]A STATION 510 Pier Sheet No. _____

Span _____ Zero _____ Freezer Temp. _____ Date Aug. 9, 1959

One ordinate - _____ ppm

Flow _____ lpm 74 Working Ref. Tank _____ From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-15.06(94)
3-10.65

	AH #1	AH #2	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-16.8	-16.7		-16.8											
0100	-17.1	-16.5		-16.8											
0130	-16.6	-15.5		-16.0											
0200	—	—		—											
0230	-13.5	-14.4		-14.0											
0300	-14.3	-14.9		-14.6											
0330	-14.8	-13.8		-14.3											
0400	-13.7	-14.7		-14.2											
0430	-14.5	-14.7		-14.6											
0500	-14.6	-14.3		-14.4											
0530	-14.8	-14.1		-14.4											
0600	-13.2	-13.7		-13.4											
0630	-14.2	-13.6		-13.9											
0700	-13.3	-14.4		-13.8											
0730	-13.8	-14.3		-14.0											
0800	-13.8	-14.9		-14.4											
0830	-14.5	-14.6		-14.6											
0900	-14.0	-13.5		-13.8											
0930	-13.1	-13.2		-13.2											
1000	-12.6	-12.8		-12.7											
1030	-15.6	-15.7		-15.6											
1100	-15.6	-14.9		-15.3											
1130	-15.1	-15.0		-15.0											
1200	-15.2	-15.0		-15.1											
1230	-15.0	-15.0		-15.0											
1300	-15.2	-15.1		-15.2											
1330	-15.1	-15.2		-15.2											
1400	-15.1	-15.0		-15.0											
1430	-15.0	-15.2		-15.1											
1500	-15.1	-15.5		-15.3											
1530	-15.3	-15.2		-15.2											
1600	-15.6	-15.5		-15.6											
1630	-15.4	-15.8		-15.6											
1700	-15.4	-15.5		-15.4											
1730	-15.8	-15.7		-15.8											
1800	-15.8	-15.7		-15.8											
1830	-16.1	-15.9		-16.0											
1900	-15.7	-15.8		-15.8											
1930	-16.0	-15.6		-15.8											
2000	-15.7	-15.5		-15.6											
2030	-16.0	-15.5		-15.8											
2100	-15.6	-15.5		-15.6											
2130	-16.0	-15.6		-15.8											
2200	-15.6	-15.2		-15.4											
2230	-15.8	-15.3		-15.5											
2300	-16.3	-15.8		-16.0											
2330	-15.3	-15.6		-15.4											
2400	-15.2	-16.3		-15.8											

HN

326.76 + 5
0.9350

CARBON DIOXIDE DA STATION SIO PIER Sheet No. _____

Span _____ Zero _____ Freezer Temp. _____ Date AUG. 8, 1955

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 74 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-15.78 (7)
309.88

	AH L1	L2	AL L3	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030																	
0100																	
0130																	
0200																	
0230																	
0300																	
0330																	
0400																	
0430																	
0500																	
0530																	
0600																	
0630																	
0700																	
0730																	
0800																	
0830																	
0900																	
0930																	
1000																	
1030																	
1100																	
1130																	
1200																	
1230																	
1300																	
1330																	
1400																	
1430																	
1500																	
1530																	
1600																	
1630																	
1700																	
1730																	
1800																	
1830																	
1900																	
1930																	
2000																	
2030																	
2100																	
2130																	DEFROST FREEZER
2200																	
2230	—		-19.8			-19.8											
2300	-15.7		-15.6			-15.6											
2330	-16.5		-16.5			-16.5											326.76 + 0
2400	-16.3		-16.0			-16.2											0.9350

HN

CARBON DIOXIDE D[illegible] STATION SIO PIER Sheet No. _____

Span _____ Zero _____ Freezer Temp. _____ Date AUG. 7, 1955

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 79 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-13.61 (39)

312.20

	AL L1	L2	AH L3	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-13.9		-13.9			-13.9											
0100	-11.7		-14.5			-13.1											
0130	-14.9		-14.9			-14.9											
0200	-15.0		-14.5			-14.8											
0230	-14.5		-14.7			-14.6											
0300	-13.7		-12.6			-13.2											
0330	-12.8		-12.6			-12.7											
0400	-13.2		-12.8			-13.0											
0430	-13.0		-13.0			-13.0											
0500	-13.0		-14.0			-13.5											
0530	-12.3		-12.4			-12.4											
0600	-12.5		-11.1			-11.8											
0630	-10.2		-13.7			-12.0											
0700	-13.5		-14.0			-13.8											
0730	-13.5		-14.8			-14.2											
0800	-14.3		-14.2			-14.2											
0830	-14.2		-14.3			-14.2											
0900	-13.2		-13.8			-13.5											
0930	-14.6		-15.0			-14.8											
1000	-14.6		—			-14.6											
1030																	
1100																	
1130																	
1200																	
1230																	
1300																	
1330																	
1400																	
1430																	
1500																	
1530																	
1600																	
1630																	
1700																	
1730																	
1800																	
1830																	
1900																	
1930																	
2000																	
2030																	
2100																	
2130																	
2200																	
2230																	
2300																	
2330																	
2400																	

326.76 + 0 / 0.9350

HN

CARBON DIOXIDE D[illegible] STATION SIO PIER Sheet No. _____

Span _____ Zero _____ Freezer Temp. _____ Date AUG. 6, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 74 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-14.58 (91)

311.16

	AH L1	AH L2	AL L3	AL L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-15.0		-13.4			-19.2											
0100	-15.8		-15.0			-15.4											
0130	-12.5		-13.4			-13.0											
0200	-13.1		-12.7			-12.9											
0230	-12.3		-12.1			-12.2											
0300	-12.5		-13.2			-12.8											
0330	-13.3		-13.2			-13.2											
0400	-12.5		-13.5			-13.0											
0430	-13.5		-13.4			-13.4											
0500	-13.3		-12.8			-13.0											
0530	-13.0		-13.6			-13.3											
0600	-12.9		-13.4			-13.2											
0630	-12.9		-13.2			-13.0											
0700	-13.5		-14.0			-13.8											
0730	-13.9		-13.1			-13.5											
0800	-13.9		-13.5			-13.7											
0830	-13.0		-12.8			-12.9											
0900	[illegible]		-14.2			-14.2											
0930	-13.4		-13.1			-13.2											
1000	-13.9		-13.3			-13.6											
1030	-15.6		-14.8			-15.2											
1100	-14.9		-15.9			-15.1											
1130	-14.0		-14.9			-14.4											
1200	-15.5		-13.3			-14.4											
1230	-15.1		-14.8			-15.0											
1300	-15.0		-14.7			-14.8											
1330	-14.7		-14.4			-14.6											
1400	-15.0		-15.2			-15.1											
1430	-15.0		-15.2			-15.1											
1500	-16.0		-15.9			-15.9											
1530	-16.2		-15.4			-15.8											
1600	-15.0		-15.1			-15.0											
1630	-15.3		—			-15.3											
1700	-15.5		-16.0			-15.8											
1730	-15.5		-16.2			-15.8											
1800	-15.8		-15.5			-15.6											
1830	-14.0		-14.2			-14.1											
1900	-17.0		-16.2			-16.6											
1930	-16.8		-16.8			-16.8											
2000	-17.3		-16.4			-16.8											
2030	-16.6		-16.5			-16.6											
2100	-17.4		-16.0			-16.7											
2130	-16.5		-16.4			-16.4											
2200	-16.7		-14.8			-15.8											
2230	—		-15.6			-15.6											
2300	—		-16.9			-16.9											
2330	-15.2		-14.9			-15.0											
2400	—		-12.6			-12.6											
	-HN -14.3		-14.4														

326.76 + C
0.9350

CARBON DIOXIDE D[illegible] STATION SIO PIER Sheet No. _____

Span _____ Zero _____ Freezer Temp. _____ Date AUG. 5, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 79 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-14.83 (32)
310.89

	~~L1~~ AH	~~L2~~	~~L3~~ AL	~~L4~~	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030																	
0100																	
0130																	
0200																	
0230																	
0300																	
0330																	
0400																	
0430																	
0500																	
0530																	
0600																	
0630																	
0700																	
0730																	
0800																	
0830																	
0900																	
0930																	
1000																	
1030																	
1100																	
1130																	
1200																	
1230																	
1300																	
1330																	
1400																	
1430																	
1500																	
1530																	
1600																	
1630	-15.1		-19.0			-14.6											
1700	-19.2		-19.8			~~-19.6~~	(14.5)										
1730	-19.7		-19.9			-19.8											
1800	-19.3		-14.4			-14.9											
1830	-14.2		-19.7			-19.4											
1900	-15.1		-15.2			-15.2											
1930	-15.0		-19.7			-19.8											
2000	-15.0		-19.9			-15.0											
2030	-19.7		-15.2			-15.0											
2100	-15.2		-16.0			-15.6											
2130	-15.6		-16.4			-16.0											
2200	-13.5		-19.9			-14.2											
2230	-15.1		-13.4			-14.2											
2300	-16.0		-13.6			-14.8											
2330	-13.5		-14.8			-14.2											326.76 + 0
2400	-15.3		-15.8			-15.6											0.9350
	-14.5		-19.6														

CARBON DIOXIDE D[illegible] STATION S10 PIER Sheet No. _____

Span _____ Zero _____ Freezer Temp. _____ Date AUG. 3, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 79 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-13.58 (38)

	~~L1~~ A4	~~L2~~	~~L3~~ AC	~~L4~~	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-13.7		-13.5			-13.6											
0100	-14.4		-14.1			-14.2											
0130	-13.8		-13.9			-13.8											
0200	-14.2		-13.9			-14.0											
0230	-14.0		-14.0			-14.0											
0300	-13.9		-13.9			-13.9											
0330	-12.7		-13.4			-13.0											
0400	-13.5		-14.0			-13.8											
0430	-14.0		-13.8			-13.9											
0500	-13.3		-12.8			-13.0											
0530	-12.5		-12.4			-12.4											
0600	-12.3		-13.0			-12.6											
0630	-13.0		-12.9			-13.0											
0700	-12.8		-12.1			-12.4											
0730	-11.5		[redacted]			-11.5											
0800	-12.6		-13.3			-13.0											
0830	-14.4		-14.8			-14.8											
0900	-14.8		-14.9			-14.8											
0930	-14.8		—			-14.8											
1000	—		-14.2			-14.2											
1030	-14.5		—			-14.5											
1100																	
1130																	
1200																	
1230																	
1300																	
1330																	
1400																	
1430																	
1500																	
1530																	
1600																	
1630																	
1700																	
1730																	
1800																	
1830																	
1900																	
1930																	
2000																	
2030																	
2100																	
2130																	
2200																	
2230																	
2300																	
2330																	
2400																	

REMARKS: 3 12.23

326.76 + 0 / a9350

HN

CARBON DIOXIDE DATA STATION S10 Pie Sheet No. _____

Span _____ Zero _____ Freezer Temp. _____ Date Aug 2, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 72 _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-13.68 (45)
-14.71 (31)

	AH ~~L1~~	~~L2~~	AL ~~L3~~	~~L4~~	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-14.4		-13.2			-13.8											312.34
0100	-12.6		-12.0			-12.3											
0130	-11.4		-10.8			-11.1											311.02
0200	-10.9		-10.2			-10.6											
0230	-9.2		-10.8			-10.0											
0300	-12.4		-12.8			-12.6											
0330	-12.0		-11.0			-11.5											311.80
0400	-11.0		-11.3			-11.2											
0430	-10.8		-10.8			-10.8											
0500	-10.4		-13.2			-11.8											
0530	-13.4		-14.4			-13.9											
0600	-14.6		-14.8			-14.7											
0630	-14.6		-14.8			-14.7											
0700	-15.6		-15.7			-15.6											
0730	-14.3		-15.7			-15.0											
0800	-15.8		-15.3			-15.6											
0830	-15.3		-15.2			-15.2											
0900	-16.0		-15.8			-15.9											
0930	-15.8		-15.9			-15.8											
1000	-15.6		-16.1			-15.8											
1030	-15.5		-15.1			-15.3											
1100	-16.0		-15.8			-15.9											
1130	-15.8		-15.3			-15.6											
1200	-15.7																Defrosted F.O. Trap
1230																	
1300																	
1330																	
1400																	
1430																	
1500																	
1530																	
1600																	
1630	—		-16.0			-16.0											
1700	-16.0		-15.7			-15.8											
1730	-16.0		-15.2			-15.6											
1800	-15.3		-15.0			-15.2											
1830	-14.9		-15.1			-14.8											
1900	-15.0		-14.8			-14.9											
1930	-15.5		-15.0			-15.2											
2000	-15.1		-15.0			-15.0											
2030	-15.1		-14.9			-15.0											
2100	-14.1		-14.9			-14.5											
2130	-14.6		-14.1			-14.4											
2200	-14.5		-14.0			-14.2											
2230	-14.6		-15.0			-14.8											72 326.98 + 0 / 0.9350
2300	-14.1		-13.0			-13.6											
2330	-14.1		-12.3			-13.2											74 326.96 + 0 / 0.9350
2400	-13.6		-12.7			-13.2											

HN

CARBON DIOXIDE D[illegible]A STATION 510 Pier Sheet No. _____

Span _____ Zero _____ Freezer Temp. _____ Date Aug 1, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 72 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-14.86 (96)

311.08

	AH (L1, L2)	AL (L3, L4)	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-15.9	-17.0		-16.4											
0100	-17.0	-16.2		-16.6											
0130	-16.5	-15.8		-16.2											
0200	-14.8	-13.7		-14.2											
0230	-12.2	-14.1		-13.2											
0300	-14.7	-13.5		-14.1											
0330	-13.2	-12.2		-12.7											
0400	-13.9	-13.7		-13.8											
0430	-12.8	-11.1		-12.0											
0500	-13.3	-13.3		-13.3											
0530	-11.2	-11.7		-11.4											
0600	-12.8	-10.5		-11.6											
0630	-10.7	-12.2		-11.4											
0700	-12.4	-12.7		-12.6											
0730	-12.2	-12.3		-12.2											
0800	-12.0	-14.3		-13.2											
0830	-15.3	-15.7		-15.5											
0900	-14.8	-15.5		-15.2											
0930	-14.6	-15.0		-14.8											
1000	-14.6	-15.3		-15.0											
1030	-14.4	-14.9		-14.6											
1100	-15.0	-15.1		-15.0											
1130	-14.9	-15.9		-15.4											
1200	-14.9	-16.1		-15.5											
1230	-15.2	-15.8		-15.5											
1300	-15.8	-16.2		-16.0											
1330	-15.7	-16.2		-16.0											
1400	-15.8	-15.9		-15.8											
1430	-16.2	-16.4		-16.3											
1500	-16.2	-16.3		-16.2											
1530	-15.8	-15.8		-15.8											
1600	-15.2	-16.0		15.6											
1630	-16.2	-16.0		-16.1											
1700	-15.2	-15.9		-15.6											
1730	-15.8	-14.9		-15.4											
1800	-15.9	-16.2		16.0											
1830	-16.2	-15.8		-16.0											
1900	-16.3	-16.1		-16.2											
1930	-16.1	-16.0		-16.0											
2000	-15.9	-15.7		-15.8											
2030	-15.7	-15.8		-15.8											
2100	-15.7	-15.3		-15.5											
2130	-15.4	-16.4		-15.9											
2200	-16.0	-15.6		-15.8											
2230	-15.3	-15.0		-15.2											
2300	-15.5	-15.3		-15.4											
2330	-15.2	-15.0		-15.1											32648 + 5
2400	-14.4	-13.9		-14.2											09350

HN

CARBON DIOXIDE D[illegible]A STATION 510 Pie[illegible] Sheet No. _____

Span 340 Zero 900 Freezer Temp. -48°F Date July 31, 1959

One ordin[illegible] ppm

Flow 0.25 lpm 72 Working Ref. Tank _____ From Ref tank test of _____

Tank Press. 310 psi Obs. _____

-14.19 (90)

311.80

	L1	L2	L3	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
	AH		AL														
0030	-15.6		-16.0			-15.8											
0100	-15.7		-15.8			-15.8											
0130	-15.8		-15.7			-15.8											
0200	-15.3		-15.7			-15.5											
0230	-15.3		-15.9			-15.6											
0300	-15.1		-15.0			-15.0											
0330	-14.9		-13.6			-14.2											
0400	-13.5		-9.3			-11.4											
0430	-8.9		-11.2			-10.0											
0500	-10.4		-9.0			-9.7											
0530	-8.4		-10.2			-9.3											
0600	-10.1		-8.8			9.4											
0630	-8.2		-8.4			-8.3											
0700	-7.7		-5.5			-6.6											Ref. Gas 0.25 lpm Defrost F.D. Trap
0730																	
0800																	
0830																	
0900																	
0930	-9.9		-9.2			-9.6											
1000	-10.8		-11.3			-11.0											
1030	-7.4		-9.4			-8.4											
1100	-10.7		-12.9			-11.8											
1130	-14.2		-13.3			-13.8											
1200	-13.9		-14.0			-14.0											
1230	-14.7		-15.0			-14.8											
1300	-14.7		-15.2			-15.0											
1330	-15.4		-15.0			-15.2											
1400	-15.0		-15.0			-15.0											
1430	-14.9		-15.1			-15.0											Ref. Tank 300 PSI
1500	-14.7		-14.9			-14.8											
1530	-14.3		-15.0			-14.6											
1600	-15.2		-14.8			-15.0											
1630	-16.0		-16.1			-16.0											
1700	-15.8		-16.4			-16.1											
1730	-16.5		-16.6			-16.6											
1800	-16.7		-16.8			-16.8											
1830	-15.7		-16.0			-15.8											
1900	-16.2		-16.4			-16.3											
1930	-15.8		-16.8			-16.3											
2000	-17.0		-17.2			-17.1											
2030	-16.6		-16.2			-16.4											
2100	-16.9		-17.2			-17.0											
2130	-16.7		-16.2			-16.4											
2200	-14.2		-16.9			-15.6											
2230	-16.7		-16.8			-16.8											
2300	-16.8		-16.2			-16.6											
2330	-16.2		-16.2			-16.2											326.98 + 0
2400	-16.8		-15.2			-16.0											0.9850
Er	-16.3		-16.3			-16.3											

CARBON DIOXIDE DATA STATION 510 Pie Sheet No. _____

Span _____ Zero _____ Freezer Temp. _____ Date July 30, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank (22) _____ From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-14.30 (48)

311.68

	AH L1	L2	AL L3	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-12.6		-12.4			-12.5											
0100	-12.3		-12.2			-12.2											
0130	-11.8		-12.0			-11.9											
0200	-12.1		-12.2			-12.2											
0230	-12.3		-12.4			-12.4											
0300	-12.5		-13.7			-13.1											
0330	-13.9		13.7			-13.8											
0400	-14.3		-14.3			-14.3											
0430	-13.8		-13.8			-13.8											
0500	-14.7		-14.2			-14.2											
0530	-13.8		13.8			-13.8											
0600	-12.7		-12.1			-12.4											
0630	-13.8		-14.1			-14.0											
0700	-14.2		-13.4			-13.8											
0730	-14.3		-14.5			-14.4											
0800	-14.7		-14.2			-14.4											
0830	-14.8		-14.7			-14.8											
0900	-14.3		-13.5			-13.9											
0930	-14.0		-12.6			-13.3											
1000	-13.5		-11.2			-12.4											
1030	-12.9		-12.7			-12.8											
1100	-13.7		-11.1			-12.4											
1130	-12.4		-12.3			-12.4											
1200	-13.0		-12.4			-12.7											
1230	-13.4		-14.0			-13.7											
1300	-15.5		-14.2			-14.8											
1330	-14.2		-14.5			-14.4											
1400	-14.8		-14.2			-14.5											
1430	-14.7		-14.3			-14.5											
1500	-14.8		-15.5			-15.2											
1530	-14.8		-15.3			-15.0											
1600	-14.7		-15.3			-15.0											
1630	-15.1		-15.5			-15.3											
1700	-15.7		-14.7			-15.2											
1730	-14.4		-14.8			-14.6											
1800	-14.9		-15.3			-15.1											
1830	-16.4		-15.6			-16.0											
1900	-15.8		-15.8			-15.8											
1930	-16.2		-16.0			-16.1											
2000	-15.6		-15.8			-15.7											
2030	-15.9		-16.6			-16.2											
2100	-15.4		-15.2			-15.3											
2130	-15.8		-15.5			-15.6											
2200	-15.8		-15.7			-15.8											
2230	-16.0		-16.2			-16.1											
2300	-15.9		-16.0			-16.0											
2330	-16.2		-16.7			-16.4											
2400	-16.7		-15.4			-16.0											

HN

326.98 ÷ 5
0.9350

CARBON DIOXIDE D[illegible]A STATION 510 Pier Sheet No. _____

Span 340 Zero 900 Freezer Temp. -49° F. Date July 29, 1959

One ordinate - [illegible] ppm

Flow 0.25 lpm (72) Working Ref. Tank _____ From Ref tank test of _____

Tank Press. 410 psi Obs. _____

-13.37 (96)

312.67

	AH L1	AL L2	L3	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-11.8	-12.2				-12.0											
0100	-11.9	-11.7				-11.8											
0130	-11.6	-12.1				-11.8											
0200	-12.2	-12.1				-12.2											
0230	-11.8	-11.1				-11.4											
0300	-11.4	-11.7				-11.6											
0330	-11.3	-11.6				-11.4											
0400	-11.4	-11.5				-11.4											
0430	-11.7	-12.3				-12.0											
0500	-12.7	-11.5				~~-11.9~~	(12.1)										
0530	-11.3	-11.8				-11.6											
0600	-11.9	-11.7				-11.8											
0630	-12.1	-12.2				-12.2											
0700	-12.3	-11.4				~~-12.0~~	(-11.8)										
0730	-12.0	-12.3				-12.2											Defrosted F.O. Trap
0800	-14.4	-14.2				-14.3											
0830	-14.2	-13.5				-13.8											
0900	-14.0	-13.8				-13.9											
0930	-14.0	-13.9				-14.0											
1000	-13.3	-13.7				-13.5											
1030	-13.7	-13.5				-13.6											
1100	-13.7	-13.2				-13.4											
1130	-14.0	-14.4				-14.2											
1200	-13.7	-14.5				-14.1											
1230	-14.2	-14.2				-14.2											
1300	-14.8	-13.8				-14.3											
1330	-14.2	-14.0				-14.1											
1400	-14.4	-15.3				-14.8											
1430	-14.8	-14.4				-14.6											
1500	-15.0	-14.9				-15.0											
1530	-14.4	-14.8				-14.6											
1600	-14.8	-15.1				-15.0											
1630	-14.4	-14.2				-14.3											
1700	-14.6	-14.5				-14.6											
1730	-14.8	-14.2				-14.5											
1800	-14.1	-13.8				-14.0											
1830	-13.8	-14.5				-14.2											
1900	-14.3	-14.0				-14.2											
1930	-14.4	-14.4				-14.4											
2000	-14.4	-14.3				-14.4											
2030	-14.2	-14.3				-14.2											
2100	-14.2	-13.9				-14.0											
2130	-14.1	-14.3				-14.2											
2200	-14.2	-13.2				13.7											
2230	-13.3	-12.7				-13.0											
2300	-13.3	-12.2				~~-13.8~~	(12.8)										
2330	-13.4	-13.4				-13.4											326.98 ± 5
2400	-13.7	-12.7				-13.2											0.9350

HN ~~See Back~~

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ 510 PIER

Span 340 Zero 900 Freezer Temp. 49°F Date 28 JULY, 1959

One ordinate [redacted] ppm

Flow 0.20 lpm Working Ref. Tank 72 From Ref tank test of

Tank Press. 470 psi Obs.

-12.10 (91)

314.03

	L AH	L AH	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-12.5	-12.5		-12.5											
0100	-12.0	-12.0		-12.0											
0130	-11.5	-11.6		-11.6											
0200	-11.5	-11.8		-11.6											
0230	-11.0	-10.8		-10.9											
0300	-10.7	-10.5		-10.7											
0330	-10.4	-11.0		-10.7											
0400	-11.2	-11.1		-11.2											
0430	-11.4	-13.5		-12.4											
0500	—	-12.9		-12.9											
0530	-11.0	-10.9		-11.0											
0600	-10.3	-10.7		-10.5											
0630	-10.3	-10.0		-10.2											
0700	-9.9	—		-9.9											
0730	-10.3	-10.3		-10.3											
0800	—	-10.9		-10.9											
0830	-11.1	-10.6		-10.8											
0900	-10.9	-11.8		-11.4											
0930	-12.2	-12.1		-12.2											
1000	-12.1	-12.0		-12.0											
1030	-12.5	-12.1		-12.3											
1100	-12.3	-11.9		-12.1											
1130	-11.5	-11.8		-11.6											
1200	-12.4	-11.6		-12.0											
1230	-12.3	-11.5		-11.9											
1300	-12.3	-11.9		-12.1											
1330	-11.9			-11.9											New Charts Paper
1400															
1430		-12.2		-12.2											
1500	-12.3	-12.0		-12.2											
1530	-11.8	-12.4		-12.1											
1600	-12.2	-12.8		-12.6											
1630	-12.7	-13.3		-13.0											
1700	-12.3	-13.4		-12.8											
1730	-13.3	-13.4		-13.4											
1800	-13.2	-13.6		-13.4											
1830	-13.4	-13.9		-13.6											
1900	-13.2	-13.5		-13.4											
1930	-13.4	-13.5		-13.4											
2000	-13.4	-13.5		-13.4											
2030	-12.9	-13.7		13.3											
2100	-13.1	-13.3		-13.2											
2130	-13.4	-13.5		-13.4											
2200	-13.2	-13.7		-13.4											
2230	-13.0	-13.8		-13.4											
2300	-13.0	-13.0		-13.0											
2330	-12.8	-12.8		-12.8											326.98 ± 0
2400	-12.0	-12.3		-12.2											0.9350
	-12.3	-9.5		10.9											

CARBON DIOXIDE DATA

MAUNA LOA OBSERVATORY, HAWAII 510 PIER

Span _____ Zero _____ Freezer Temp. _____ Date 27 JULY, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 72 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-11.40 (-83)

314.78

	AH L1	AH L2	AH L3	AH L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-11.	3	-10.	6		-11.0											
0100	-10.	0	-9.	3		-9.6											
0130	-10.	0	-9.	6		-9.8											
0200	-9.	4	-9.	3		-9.4											
0230	-8.	6	-9.	1		-8.8											
0300	-8.	9	-8.	3		-8.6											
0330	-8.	8	-8.	2		-8.5											
0400	-8.	6	-9.	0		-8.8											
0430	-8.	9	-8.	5		-8.7											
0500	-8.	9	-8.	2		-8.6											
0530	-7.	6	-9.	4		-10.3											
0600	-11.	3	—			-11.3											DEFROST FREEZER
0630																	
0700																	
0730																	
0800																	
0830																	
0900	—		-13.	0		-13.0											
0930	-12.	9	-12.	4		-12.6											
1000	-12.	9	-13.	1		-13.0											
1030	-12.	7	-13.	0		-12.8											
1100	-12.	9	-13.	0		-13.0											
1130	-12.	7	-12.	1		-12.9											
1200	-13.	1	-12.	0		-12.6											
1230	-12.	5	-11.	9		-12.2											
1300	-12.	0	-12.	8		-12.4											
1330	-12.	5	-12.	9		-12.7											
1400	-13.	1	-12.	5		-12.8											
1430	-12.	3	-12.	3		-12.3											
1500	-12.	3	—			-12.3											
1530	-12.	5	-12.	3		-12.4											
1600	-12.	5	-12.	0		-12.2											
1630	-12.	2	-11.	5		-11.8											
1700	-12.	2	-11.	8		-12.0											
1730	-12.	3	-12.	0		-12.2											
1800	-12.	2	-12.	0		-12.1											
1830	-12.	0	-12.	[illegible]		-12.2											
1900	-11.	9	-11.	8		-11.8											
1930	-11.	9	-12.	3		-12.1											
2000	-12.	2	-11.	6		-12.0											
2030	-12.	4	-12.	1		-12.2											
2100	-11.	9	-11.	3		-11.6											
2130	-11.	5	-11.	3		-11.4											
2200	-11.	4	-11.	3		-11.4											
2230	-11.	3	-11.	0		-11.2											
2300	-11.	6	-11.	5		-11.6											
2330	-11.	3	-11.	5		-11.4											
2400	-11.	9	-8.	8		-10.4											
	-11.9		-12.1														

32698+ 0
0.9350

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ S10 PIER

Span _____ Zero _____ Freezer Temp. _____ Date 26 July 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 72 _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-11.33(86)

314.86

	AH L1	L2	AH L3	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-11.	4	-8.	0		-9.7											
0100	-7.	8	-7.	3		-7.6											
0130	-7.	3	-7.	6		-7.4											
0200	-9.	6	-12.	2		-10.9											
0230	-6.	9	—			-6.9											
0300	-12.	8	-13.	4		-13.1											
0330	—		-7.	4		-7.4											
0400	-9.	8	-10.	8		-10.3											
0430	-12.	5	-12.	0		-12.2											
0500	-10.	0	-8.	9		-9.5											
0530	-8.	8	-9.	4		-9.1											
0600	-10.	0	-10.	2		-10.1											
0630	-11.	0	-11.	4		-11.2											
0700	-10.	8	-11.	1		-11.0											
0730	-11.	3	-11.	3		-11.3											
0800	-10.	6	-11.	5		-11.0											
0830	-11.	6	-12.	5		-12.0											
0900	-12.	4	-12.	6		-12.5											
0930	-12.	7	-12.	5		-12.6											
1000	-12.	3	-12.	3		-12.3											
1030	-12.	4	-12.	5		-12.4											
1100	-12.	3	-11.	8		-12.0											
1130	-12.	0	-11.	9		-12.0											
1200	-12.	4	—			-12.4											
1230																	change tubes
1300																	
1330																	
1400	-11.	8	-12.	5		-12.2											
1430	-12.	1	-12.	6		-12.4											
1500	-12.	5	-12.	5		-12.5											
1530	-12.	5	-12.	5		-12.5											
1600	-12.	2	-12.	3		-12.2											
1630	-12.	5	-12.	3		-12.4											
1700	-12.	6	-12.	4		-12.5											
1730	-12.	3	-12.	4		-12.4											
1800	-12.	2	-12.	5		-12.4											
1830	-13.	3	-12.	5		-12.9											
1900	-12.	8	-12.	0		-12.4											
1930	-12.	4	-12.	2		-12.3											
2000	-12.	0	-12.	5		-12.2											
2030	-12.	5	-12.	5		-12.5											
2100	-12.	3	-12.	6		-12.4											
2130	-12.	4	-12.	3		-12.4											
2200	-12.	3	—			-12.3											
2230	-9.	5	-9.	3		-9.4											
2300	-10.	3	-10.	7		-10.5											
2330	-11.	9	-10.	0		-11.0											326.98 + 5
2400	-11.	1	-11.	1		-11.1											0.9350

HN

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ 510 PIER

Span _____ Zero _____ Freezer Temp. _____ Date 25 July 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 72 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-12.09 (95)

3/4.04

	AH L1	AH L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-10.2	-10.8		-10.5											
0100	-10.3	-10.2		-10.2											
0130	-10.0	-10.0		-10.0											
0200	-9.6	-10.3		-10.0											
0230	-10.6	-9.9		-10.2											
0300	-7.8	-9.4		-8.6											
0330	-8.7	-9.2		-9.0											
0400	-10.3	-11.1		-10.7											
0430	-12.0	-12.0		-12.0											
0500	-12.3	-12.8		-12.6											
0530	-11.9	-13.0		-12.5											
0600	-12.2	-12.1		-12.2											
0630	-13.0	-12.2		-12.6											
0700	-12.0	-13.5		-12.8											
0730	-11.5	-11.3		-11.4											
0800	-11.8	-11.6		-11.7											
0830	-12.5	-12.4		-12.4											
0900	-12.8	-12.6		-12.7											
0930	-12.8	-11.7		-12.3											
1000	-11.8	-11.4		-11.6											
1030	-11.9	-12.2		-12.0											
1100	-12.2	-12.0		-12.1											
1130	-12.8	-12.6		-12.7											
1200	-12.4	-12.0		-12.2											
1230	-12.0	-11.9		-12.0											
1300	-12.4	-11.9		-12.2											
1330	-12.4	-12.1		-12.2											
1400	-12.3	-12.3		-12.3											
1430	-12.3	-11.9		-12.1											
1500	-12.4	-12.4		-12.4											
1530	-12.5	-12.6		-12.6											
1600	-12.8	-12.7		-12.8											
1630	-13.0	-12.8		-12.9											
1700	-12.9	-12.8		-12.6											
1730	-12.5	-12.6		-12.6											
1800	-12.5	-13.0		-12.8											
1830	-12.9	-12.3		-12.6											
1900	-12.2	-12.8		-12.6											
1930	-13.0	-12.8		-12.9											
2000	-13.0	-13.3		-13.2	✓										
2030	-13.4	-12.8		-13.1											
2100	-12.8	-13.0		-12.9											
2130	-13.2	-13.0		-13.1											
2200	-13.0	-13.5		-13.2	✓										
2230	-13.3	-13.1		-13.2	✓										
2300	-13.3	-12.7		-13.0											
2330	-12.8	—		-12.8											32.98 + 0
2400	-12.9	-12.0		-13.0											0.9350
	-13.0	-13.0													

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ S10 PIER

Span _____ Zero _____ Freezer Temp. _____ Date 24 July, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 72 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-10.71 (74)

315.52

	AH L1	L2	AH L3	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-12.	3	-11.	8		-12.0											
0100	-12.	1	-12.	4		-12.2											
0130	-11.	9	-11.	6		-11.8											
0200	-11.	5	-11.	5		-11.5											
0230	-11.	0	-10.	8		-10.9											
0300	-10.	6	-10.	5		-10.6											
0330																	
0400																	
0430																	
0500																	DEFROST FREEZER
0530																	
0600																	
0630																	
0700																	CHANGE CHART PAPER
0730	—		-10.	4		-10.4											
0800	-10.	1	-10.	8		-10.4											
0830	-10.	8	-10.	9		-10.8											
0900	-10.	3	-10.	0		-10.2											
0930	-10.	3	-10.	5		-10.4											
1000	-9.	8	-10.	3		-10.0											
1030	-10.	0	-10.	4		-10.2											
1100	-10.	6	-10.	3		-10.4											
1130	—		-9.	3		-9.3											
1200	-10.	0	-9.	5		-9.8											
1230	-9.	9	-8.	7		-9.3											
1300	-9.	4	-9.	9		-9.6											
1330	-10.	0	-9.	9		-10.0											
1400	-10.	2	-9.	9		-10.0											
1430	—		-10.	5		-10.5											
1500	-10.	2	-10.	2		-10.2											
1530	-9.	9	-9.	3		-9.6											
1600	-9.	8	-10.	5		-10.2											
1630	-11.	1	-11.	0		-11.0											
1700	-10.	7	-11.	6		-11.2											
1730	-11.	8	-11.	8		-11.8											
1800	-11.	5	-11.	8		-11.6											
1830	-12.	0	-12.	3		-12.2											
1900	-12.	9	-12.	9		-12.9											
1930	-13.	1	-12.	3		-12.7											
2000	-12.	0	-12.	8		-12.4											
2030	-13.	5	-12.	8		-13.2											
2100	-10.	4	-11.	5		-11.0											
2130	—		—														Smoker on PIER
2200	-12.	3	-13.	0		-12.6											
2230	-7.	5	-8.	3		-7.9											
2300	—		-8.	5		-8.5											
2330	-9.	6	-9.	6		-9.6											326.98 + 0
2400	-8.	3	-8.	8		-8.6											0.9350

HN

CARBON DIOXIDE DATA

MAU ~~LOA OBSERVATORY, HAWAII~~ S10 PIER

Span _____ Zero _____ Freezer Temp. _____ Date 23 JULY, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 72 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-10.85 (96)

315.37

	L1 AH	L2	L3 AH	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-11.	5	-10.	8		-11.2											
0100	-11.	3	-11.	0		-11.2											
0130	-11.	1	-11.	0		-11.0											
0200	-10.	7	-10.	6		-10.6											
0230	-10.	5	-10.	8		-10.6											
0300	-10.	8	-11.	3		-11.0											
0330	-11.	4	-11.	1		-11.2											
0400	-11.	3	-11.	0		-11.2											
0430	-11.	0	-12.	5		-11.8											
0500	-10.	8	-10.	8		-10.8											
0530	-10.	9	-10.	9		-10.9											
0600	-10.	9	-10.	8		-10.8											
0630	-10.	7	-10.	8		-10.8											
0700	-10.	9	-10.	5		-10.7											
0730	-9.	9	-9.	0		-9.4											
0800	-9.	0	-9.	0		-9.0											
0830	-8.	3	-7.	3		-7.8											
0900	-8.	4	-9.	6		-9.0											
0930	-10.	1	-10.	2		-10.2											
1000	-11.	0	-11.	4		-11.2											
1030	-11.	1	-11.	5		-11.3											
1100	-11.	4	-11.	2		-11.3											
1130	-11.	5	-11.	0		-11.2											
1200	-11.	1	-10.	9		-11.0											
1230	-11.	0	-10.	4		-10.7											
1300	-10.	8	-10.	7		-10.8											
1330	-10.	8	-10.	2		-10.5											
1400	-10.	8	-10.	7		-10.8											
1430	-10.	5	-10.	3		-10.4											
1500	-10.	7	-10.	4		-10.6											
1530	-11.	1	-10.	9		-11.0											
1600	-10.	8	-11.	1		-11.0											
1630	-11.	2	-11.	3		-11.2											
1700	-11.	1	-11.	3		-11.2											
1730	-11.	3	-10.	9		-11.1											
1800	-10.	8	-11.	1		-11.0											
1830	-11.	0	-11.	0		-11.0											
1900	-11.	0	-11.	0		-11.0											
1930	-11.	0	-10.	6		-10.8											
2000	-11.	0	-11.	1		-11.0											
2030	-11.	2	-10.	5		-10.8											
2100	-11.	5	—			-11.5											
2130	-11.	1	-10.	8		-11.0											
2200	-10.	9	-11.	3		-11.1											
2230	-11.	0	-11.	2		-11.1											
2300	-11.	3	-11.	4		-11.4											
2330	-11.	7	-12.	0		-11.8											
2400	-13.	2	-12.	0		-12.6											

326.98 + 0
0.9356

HN

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date 22 JULY, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 72 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-11.38 (95)

314.80

	L1	L2	L3	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-12.	7	-13.	1		-12.9											
0100	-12.	8	-13.	0		-12.9											
0130	-12.	5	-12.	4		-12.4											
0200	-12.	9	-13.	3		-12.6											
0230	-12.	5	-13.	1		-12.8											
0300	-12.	8	-12.	7		-12.8											
0330	-10.	5	-9.	4		-10.0											
0400	-11.	8	-13.	3		-12.5	(12.6)										
0430	-10.	6	-10.	5		-10.4											
0500	-10.	1	-11.	5		-10.8											
0530	-10.	4	-10.	0		-10.2											
0600	-10.	5	-11.	9		-11.2											
0630	-12.	1	-11.	3		-11.7											
0700	-12.	9	-12.	9		-12.9											
0730	-11.	9	-11.	2		-11.6											
0800	-10.	9	-11.	9		-11.4											
0830	-11.	5	-11.	0		-11.2											
0900	-11.	0	-11.	1		-11.0											
0930	-10.	7	-10.	5		-10.6											
1000	-7.	2	-9.	1		-8.1	(8.2)										
1030	-9.	6	-9.	8		-9.7											
1100	-9.	9	-9.	9		-9.9											
1130	-7.	9	-8.	3		-8.1											
1200	-7.	5	-8.	6		-8.0											
1230	-8.	5	-9.	4		-9.0											
1300	-10.	0	-10.	7		-10.4											
1330	-11.	3	-11.	4		-11.4											
1400	—		-11.	6		-11.6											
1430	-11.	4	-11.	7		-11.6											
1500	-12.	0	-11.	8		-11.9											
1530	-12.	0	-11.	2		-11.6											
1600	-11.	6	-11.	5		-11.6											
1630	-11.	8	-11.	5		-11.5											
1700	-11.	5	-11.	4		-11.4											
1730	-11.	8	-11.	1		-11.4											
1800	-11.	5	-11.	6		-11.6											
1830	-11.	7	-11.	4		-11.6											
1900	-11.	6	-11.	9		-11.8											
1930	-12.	0	-12.	0		-12.0											
2000	-12.	2	-12.	4		-12.3											
2030	-12.	5	-12.	5		-12.5											
2100	-12.	9	-12.	3		-12.6											
2130	-12.	5	-12.	7		-12.6											
2200	-12.	6	-12.	3		-12.4											
2230	-12.	4	-12.	2		-12.3											
2300	-12.	4	-12.	0		-12.2											
2330	-12.	1	-10.	5		-11.3											32698 ± 8
2400	-11.	6	-12.	0		-11.8											0.9350
	mn.	P	-11.	7													

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ 510 PIER

Span _____ Zero _____ Freezer Temp. _____ Date 21 July, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 72 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-12.31 (96)

313.87

	AH L1	L2	AH L3	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-13.	0	-12.	7		-12.8											
0100	-12.	3	-11.	9		-12.1											
0130	-11.	2	-11.	4		-11.3											
0200	-11.	7	-12.	0		-11.8											
0230	-11.	8	-11.	6		-11.7											
0300	-11.	2	-11.	5		-11.4											
0330	-12.	2	-12.	3		-12.2											
0400	-11.	7	-11.	8		-11.8											
0430	-11.	9	-12.	8		-12.4											
0500	-10.	0	-10.	2		-10.1											
0530	-12.	5	-12.	5		-12.5											
0600	-12.	6	-13.	0		-12.8											
0630	-13.	0	—			-13.0											
0700	—		-12.	9		-12.9											
0730	-12.	7	-13.	0		-12.8											
0800	-11.	9	-12.	6		-12.2											
0830	-12.	4	-12.	8		-12.6											
0900	-12.	3	-12.	0		-12.2											
0930	-11.	4	-12.	2		-11.8											
1000	-12.	4	-11.	9		-12.2											
1030	-12.	0	-11.	8		-11.9											
1100	-11.	4	-12.	1		-11.8											
1130	-12.	1	-12.	3		-12.2											
1200	-12.	1	-12.	3		-12.2											
1230	-12.	1	-12.	2		-12.2											
1300	-12.	0	-12.	8		-12.6											
1330	-12.	0	-12.	3		-12.2											
1400	-12.	3	-12.	1		-12.2											
1430	-12.	0	-12.	1		-12.0											
1500	-11.	8	-11.	9		-11.8											
1530	-12.	4	-12.	0		-12.2											
1600	-12.	1	-12.	5		-12.3											
1630	-12.	3	-12.	3		-12.3											
1700	-12.	5	-12.	2		-12.4											
1730	-12.	0	-12.	4		-12.2											
1800	-12.	5	-12.	5		-12.5											
1830	-12.	3	-12.	3		-12.3											
1900	-12.	5	-12.	4		-12.4											
1930	-12.	6	-12.	3		-12.4											
2000	-12.	3	-12.	4		-12.4											
2030	-12.	8	-12.	7		-12.8											
2100	-13.	0	-12.	6		-12.8											
2130	-13.	0	-12.	6		-12.8											
2200	-12.	8	-12.	7		-12.8											
2230	-13.	0	-13.	0		-13.0											
2300	-12.	3	-12.	8		-12.6											
2330	-13.	6	-13.	1		-13.4											
2400	-13.	7	-13.	3		-13.5											
	-13.	0	-13.	1		-13.0											

326.98 + 0
0.9350

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ S10 PIER

Span _____ Zero _____ Freezer Temp. _____ Date 20 July, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 12 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-13.09 (66)

312.97

	AH L2	AH L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030															NO GRAPH
0100															↓
0130															
0200															
0230															
0300															
0330															
0400															
0430															
0500															
0530															
0600															
0630															
0700															DEFROST FREEZER
0730															
0800	-12.5	-10.8		-11.6											
0830	-10.0	-12.9		-11.4											
0900	-12.7	-13.5		-13.1											
0930	-13.3	-12.8		-13.0											
1000	-13.4	-13.8		-13.6											
1030	-12.9	-13.5		-13.2											
1100	-13.6	-14.0		-13.8											
1130	-13.6	-12.8		-13.2											
1200	-13.6	-13.0		-13.3											
1230	-13.3	-13.3		-13.3											
1300	-13.7	-13.3		-13.5											
1330	-13.3	-13.3		-13.3											
1400	-13.2	-13.2		-13.2											
1430	-13.0	-13.2		-13.1											
1500	-13.1	-13.0		-13.0											
1530	-12.9	-12.8		-12.8											
1600	-13.1	-13.1		-13.1											
1630	-13.5	-13.0		-13.2											
1700	-13.4	-13.0		-13.2											
1730	-13.2	-13.2		-13.2											
1800	-13.7	-13.2		-13.4											
1830	-13.8	-13.3		-13.3											
1900	-13.4	-13.3		-13.4											
1930	-13.2	-13.0		-13.1											
2000	-13.5	-12.8		-13.2											
2030	-13.1	-12.9		-13.0											
2100	-13.4	-13.1		-13.2											
2130	-13.3	-13.3		-13.3											
2200	-13.0	-12.9		-13.0											
2230	-13.1	-13.0		-13.0											
2300	-13.1	-13.3		-13.2											
2330	-13.3	-12.1		-12.7											326.98 + 0
2400	-12.8	-13.1		-13.0											0.9350
	-12.7	-12.3													

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date 19 JULY 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 72 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-13.34 (72)

312.71

	AH L1	L2	AH L3	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-11.	5	-11.	5		-11.5											
0100	-11.	1	-11.	4		-11.2											
0130	-11.	9	-11.	8		-11.8											
0200	-11.	8	-12.	5		-12.1											
0230	-13.	5	-13.	6		-13.6											
0300	-13.	8	-13.	0		~~-13.4~~	(13.4)										
0330	-13.	7	-13.	6		-13.6											
0400	-13.	6	-14.	0		-13.8											
0430	-13.	8	-13.	5		-13.6											
0500	-13.	4	-13.	5		-13.4											
0530	-13.	3	-13.	6		-13.4											
0600	-12.	8	-13.	5		-13.1											
0630	-13.	5	-13.	5		-13.5											
0700	-12.	7	-12.	9		-12.8											
0730	-13.	0	-13.	5		-13.2											
0800	-13.	0	-13.	0		-13.0											
0830	-11.	5	-12.	6		-12.0											
0900	-13.	5	-13.	1		-13.3											
0930	-13.	3	-13.	3		-13.3											
1000	-12.	8	-13.	5		-13.2											
1030	-13.	3	-13.	8		-13.6											
1100	-13.	6	-13.	5		-13.6											
1130	-13.	8	-13.	0		-13.4											
1200	-13.	7	-13.	2		-13.4											
1230	-13.	7	-13.	6		-13.6											
1300	-13.	3	-14.	0		-13.6											
1330	-13.	8	-13.	8		-13.8											
1400	-14.	1	-13.	5		-13.8											
1430	-14.	4	-14.	3		-14.4											
1500	-13.	7	-14.	2		-14.0											
1530	-14.	0	-14.	1		-14.0											
1600	-13.	8	-14.	2		-14.0											
1630	-13.	8	-14.	1		-14.0											
1700	-13.	8	-14.	3		-14.0											
1730	-14.	2	-13.	8		-14.0											
1800	-14.	4	-14.	0		-14.2											
1830																	END OF GRAPH
1900																	NO GRAPH
1930																	↓
2000																	
2030																	
2100																	
2130																	
2200																	
2230																	
2300																	
2330																	326.98 ± 0
2400																	0.9350

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ S10 PIER

Span _____ Zero _____ Freezer Temp. _____ Date 18 JULY, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 72 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-12.73 (96)

REMARKS 313.36

	AH L1	AH L2	AH L3	AH L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-12.	0	-13.	0		-12.5											
0100	-12.	3	-12.	4		-12.4											
0130	-12.	8	-12.	6		-12.7											
0200	-12.	5	-12.	3		-12.4											
0230	-12.	4	-13.	5		-13.0											
0300	-12.	6	-12.	6		-12.6											
0330	-12.	4	-12.	6		-12.5											
0400	-9.	3	-11.	5		-10.4											
0430	-12.	3	-12.	0		-12.2											
0500	-11.	9	-12.	0		-12.0											
0530	-11.	7	-12.	2		-12.0											
0600	-12.	3	-11.	9		-12.1											
0630	-11.	6	-11.	5		-11.6											
0700	-11.	8	-12.	0		-11.9											
0730	-11.	6	-12.	3		-12.0											
0800	-11.	3	-11.	2		-11.2											
0830	-12.	2	-12.	0		-12.1											
0900	-12.	6	-13.	6		-12.1											
0930	-13.	0	-13.	3		-13.2											
1000	-13.	2	-13.	3		-13.2											
1030	-12.	8	-13.	5		-13.8											
1100	-13.	4	-13.	3		-13.4											
1130	-13.	2	-12.	9		-13.0											
1200	-12.	8	-13.	0		-12.9											
1230	-13.	1	-12.	5		-12.8											
1300	-12.	9	-12.	8		-12.8											
1330	-13.	0	-12.	0		-12.5											
1400	-13.	0	-13.	0		-13.0											
1430	-12.	8	-13.	0		-12.9											
1500	-13.	0	-13.	1		-13.0											
1530	-13.	3	-12.	5		-12.9											
1600	-13.	3	-13.	8		-13.6											
1630	-13.	8	-13.	1		-13.4											
1700	-13.	1	-13.	0		-13.0											
1730	-14.	0	-13.	2		-13.6											
1800	-13.	1	-13.	1		-13.1											
1830	-13.	3	-13.	1		-13.2											
1900	-13.	3	-13.	1		-13.2											
1930	-13.	3	-13.	0		-13.2											
2000	-13.	1	-13.	4		-13.2											
2030	-13.	3	-13.	5		-13.4											
2100	-13.	4	-13.	6		-13.5											
2130	-13.	0	-13.	6		-13.3											
2200	-13.	2	-12.	6		-12.9											
2230	-12.	5	-12.	4		-12.4											
2300	-12.	8	-13.	0		-12.9											
2330	-12.	5	-13.	1		-12.8											
2400	-13.	0	-13.	2		-13.1											

326.98 + 0
0.9350

HN

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date 17 July 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 72 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-12.52 (89)
313.58

	AH L1	L2	AH L3	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-13.	0	-13.	0		-13.0											
0100	-12.	8	-12.	7		-12.8											
0130	-13.	5	-13.	5		-13.5											
0200	-13.	8	-13.	1		-13.4											
0230	-13.	4	-13.	5		-13.4											
0300	-13.	3	-13.	3		-13.3											
0330	-13.	4	-12.	5		-13.0											
0400	-12.	5	-13.	0		-12.8											
0430	-13.	1	-12.	7		-13.0											
0500	-12.	8	-13.	7		-13.8											
0530	-12.	9	-13.	0		-13.0											
0600	-12.	7	-12.	5		-12.6											
0630	-13.	1	-13.	0		-13.0											
0700	-13.	2	-12.	8		-13.0											
0730	-12.	1	-12.	9		-12.5											
0800																	
0830																	POWER FAILURE
0900	-11.	6	-12.	2		-11.9											
0930	-12.	0	-12.	0		-12.0											
1000	-12.	0	-11.	0		-11.5											
1030	-11.	3	-11.	9		-11.6											
1100	-12.	5	-12.	1		-12.3											
1130	-12.	1	-11.	3		-11.7											
1200	-12.	3	-12.	7		-12.5											
1230	-13.	0	-12.	3		-12.6											
1300	-12.	6	-12.	8		-12.7											
1330	-13.	0	-12.	0		-12.5											
1400	-12.	3	-12.	3		-12.3											
1430	-13.	0	-12.	5		-12.8											
1500	-12.	8	-12.	3		-12.6											
1530	-13.	0	-11.	9		-12.4											
1600	-12.	9	-12.	5		-12.7											
1630	-12.	0	-12.	6		-12.3											
1700	-12.	1	-12.	3		-12.2											
1730	-12.	3	-12.	0		-12.2											
1800	-12.	3	-11.	9		-12.1											
1830	-12.	3	-12.	0		-12.2											
1900	-12.	0	-12.	0		-12.0											
1930	-12.	0	-12.	4		-12.2											
2000	-12.	7	-12.	6		-12.6											
2030	-12.	4	-12.	4		-12.4											
2100	-12.	9	-13.	0		-12.0											
2130	-13.	0	-12.	9		-13.0											
2200	-12.	3	-12.	8		-12.6											
2230	-12.	4	-12.	5		-12.4											
2300	—		-12.	9		-12.9											
2330	-9.	1	-9.	2		-9.2											326.98 + 0
2400	—		—														6.9350

HN

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ S/O PIER

Span _____ Zero _____ Freezer Temp. _____ Date 16 July 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 42 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-13.18 (46)

312.88

	L1 AH	L2	L3 AH	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-13.	8	-12.	9		-13.4											
0100	-12.	9	-13.	3		-13.1											
0130	-13.	9	-13.	5		-13.7											
0200	-13.	9	-13.	6		-13.8											
0230	-14.	0	-13.	9		-14.0											
0300	-13.	8	-14.	0		-13.9											
0330	-14.	0	-13.	6		-13.8											
0400	-13.	2	-13.	4		-13.3											
0430	-13.	0	-13.	6		-13.3											
0500	-13.	3	-13.	0		-13.2											
0530	-12.	7	-12.	9		-12.8											
0600	-12.	9	-12.	8		-12.8											
0630	-13.	1	-13.	0		-13.0											
0700	-12.	8	-13.	0		-12.9											
0730	-12.	5	-12.	5		-12.5											
0800	-12.	8	-12.	6		-12.7											
0830	-12.	0	—			-12.0											
0900																	
0930																	
1000																	
1030																	
1100																	
1130																	
1200																	
1230																	
1300																	
1330																	POWER FAILURE
1400																	
1430																	
1500																	
1530																	
1600																	
1630																	
1700																	
1730																	
1800																	
1830																	
1900																	
1930																	
2000																	
2030																	
2100	—		-13.	0		-13.0											
2130	-13.	2	-13.	5		-13.4											
2200	-13.	0	-12.	9		-13.0											
2230	-13.	3	-13.	2		-13.2											
2300	-13.	1	-13.	0		-13.0											
2330	-13.	2	-13.	7		-13.4											326.98 + 0
2400	-13.	7	-12.	4		-13.0											0.9350

HN

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ S10 PIER

Span _____ Zero _____ Freezer Temp. _____ Date 15 July 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 72 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-12.90 (95)

313.18

	L1 AH	L2	L3 AH	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-12.	1	-12.	2		-12.2											
0100	-11.	8	-11.	4		-11.6											
0130	-12.	7	-13.	0		-12.8											
0200	-12.	9	-13.	1		-13.0											
0230	-12.	9	-13.	0		-13.0											
0300	-13.	1	-13.	2		-13.2											
0330	-13.	8	-14.	1		-14.0											
0400	-13.	8	-12.	7		-13.2											
0430	-12.	6	-13.	0		-12.8											
0500	-12.	8	-12.	8		-12.8											
0530	-12.	7	-12.	8		-12.8											
0600	-12.	5	-12.	8		-12.6											
0630	-12.	9	—			-12.9											
0700	—		-12.	9		-12.9											
0730	-12.	9	-13.	3		-13.1											
0800	-12.	5	-13.	0		-12.8											
0830	-13.	1	-13.	1		-13.1											
0900	-12.	8	-12.	8		-12.8											
0930	-12.	8	-12.	9		-12.8											
1000	-12.	1	-12.	2		-12.2											
1030	-12.	4	-11.	9		-12.2											
1100	-12.	4	—			-12.4											
1130	-12.	0	-12.	5		-12.2											
1200	-12.	7	-12.	5		-12.6											
1230	-12.	5	-11.	6		-12.0											
1300	-11.	9	-11.	9		-11.9											
1330	-12.	5	-12.	1		-12.3											
1400	-12.	5	-12.	0		-12.2											
1430	-12.	5	-11.	6		-12.0											
1500	-12.	5	-11.	9		-12.2											
1530	-12.	8	-12.	3		-12.6											
1600	-12.	2	-12.	1		-12.2											
1630	-12.	5	-12.	5		-12.5											
1700	-12.	8	-13.	0		-12.9											
1730	-13.	1	-13.	0		-13.0											
1800	-12.	9	-12.	8		-12.8											
1830	-13.	0	-12.	9		-13.0											
1900	-12.	9	-12.	9		-12.9											
1930	-13.	2	-13.	3		-13.2											
2000	-13.	4	-13.	5		-13.4											
2030	-13.	3	-13.	1		-13.2											
2100	-13.	1	-13.	9		-13.5											
2130	-14.	3	-14.	0		-14.2											
2200	-14.	5	-13.	9		-14.2											
2230	-14.	4	-13.	9		-14.2											
2300	-14.	0	-13.	8		-13.9											
2330	-14.	3	-13.	6		-14.0											
2400	-14.	0	-13.	8		-13.9											
	-14.1		-13.9			-14.0											

326.98 + 0
0.9350

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date 14 July, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 72 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-12.69 (87)

313.40

	AH / L4	AH / L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-13.5	-14.0		-13.8	✓										
0100	-13.9	-13.8		-13.8	✓										
0130	-13.9	-13.3		-13.6											
0200	-13.7	-13.3		-13.5											
0230	-13.1	-13.1		-13.1											
0300	-13.3	-13.4		-13.4											
0330	-12.9	-13.0		-13.0											
0400	-11.3	-10.7		-11.0											
0430	-10.8	-10.9		-10.8											
0500	-12.0	-12.1		-12.0											
0530	-11.9	-12.3		-12.1											
0600	—														
0630	—														
0700	—														DEFROST FREEZER
0730	—														
0800	—	-10.2		-10.2											
0830	-13.5	-13.3		-13.4											
0900	-13.4	-13.3		-13.4											
0930	-13.3	-13.1		-13.2											
1000	-13.8	-13.8		-13.8	✓										
1030	-14.2	-13.1		-13.6											
1100	-13.0	-13.4		-13.2											
1130	-13.5	-12.8		-13.2											
1200	-12.8	-12.8		-12.8											
1230	-12.3	-12.7		-12.5											
1300	-12.4	-13.1		-12.8											
1330	-13.5	-12.7		-13.1											
1400	-12.8	-12.6		-12.7											
1430	-12.4	-12.3		-12.4											
1500	-12.8	-12.7		-12.8											
1530	-13.0	-12.8		-12.9											
1600	-12.8	-12.9		-12.8											
1630	-13.2	-13.3		-13.2											
1700	-13.1	-13.0		-13.0											
1730	-13.3	-13.5		-13.4											
1800	-13.4	-13.3		-13.4											
1830	-13.4	-13.2		-13.3											
1900	-12.9	-12.9		-12.9											
1930	-12.6	-12.9		-12.8											
2000	-13.3	-12.5		-12.9											
2030	-11.0	-11.2		-11.1											
2100	-11.6	-11.1		-11.4											
2130	-12.0	-12.0		-12.0											
2200	-12.0	-11.9		-12.0											
2230	-12.0	-12.8		-12.4											
2300	-12.4	-12.4		-12.4											
2330	-12.3	-11.8		-12.0											326.98 + 0
2400	-11.4	-11.5		-11.4											0.9350
	-11.9	-10.9													

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ S10 PIER

Span _____ Zero _____ Freezer Temp. _____ Date 13 July, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 72 _____ From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-12.77 (82)
313.32

	AH L1	L2	AH L3	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-12.	1	-12.	2		-12.2											
0100	-12.	6	-12.	1		-12.4											
0130	-11.	9	-12.	1		-12.0											
0200	-12.	4	-12.	6		-12.5											
0230	-13.	0	-13.	0		-13.0											
0300	-13.	0	-12.	9		-13.0											
0330	-12.	8	-12.	6		-12.7											
0400	-11.	5	-10.	9		-11.2											
0430	-11.	7	-11.	4		-11.6											
0500	-11.	5	-11.	7		-11.6											
0530	-11.	8	-12.	1		-12.0											
0600	-12.	7	-12.	6		-12.6											
0630	-12.	6	-13.	3		-13.0											
0700	-11.	9	-12.	8		-12.4											
0730	-12.	3	-13.	5		-12.9											
0800	-12.	7	-13.	2		-13.0											
0830	-12.	4	—			-12.4											
0900	—																
0930	-12.	6	-13.	2		-12.9											
1000	-12.	9	-12.	6		-12.8											
1030	-12.	8	-12.	6		-12.7											
1100	-12.	8	-12.	5		-12.6											
1130	-12.	3	-12.	1		-12.2											
1200	-12.	3	-11.	9		-12.1											
1230	-12.	4	-12.	2		-12.3											
1300	—																
1330	—																REPLACE TUBE
1400	—																
1430	—																
1500	—																
1530	—		-11.	6		-11.6											
1600	-11.	8	-12.	3		-11.8											
1630	-12.	5	-12.	6		-12.6											
1700	-13.	0	-12.	9		-13.0											
1730	-13.	6	-13.	7		-13.6											
1800	-13.	9	-13.	9		-13.9											
1830	-14.	0	-14.	0		-14.0											
1900	-14.	0	-13.	6		-13.8											
1930	-13.	5	-13.	8		-13.6											
2000	-13.	7	-13.	5		-13.6											
2030	-13.	8	-13.	4		-13.6											
2100	-13.	6	-13.	1		-13.4											
2130	-13.	3	-13.	5		-13.4											
2200	-13.	4	-13.	4		-13.4											
2230	-13.	5	-13.	5		-13.5											
2300	-13.	1	-13.	3		-13.2											
2330	-13.	2	-12.	6		-12.9											326.98 + 5
2400	-13.	0	-13.	4		-13.2											0.9350

HN

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date 12 July, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 72 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-11.85 (95)

314.30

	L1 AH	L2	L3 AH	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-2.	0	-3.	5		-2.8											
0100	-3.	4	-3.	4		-3.4											
0130	-4.	6	-3.	7		-4.2											
0200	-3.	5	-3.	9		-3.7											
0230	-7.	9	-7.	9		-7.9											
0300	-6.	9	-11.	8		-9.4											
0330	-9.	6	-10.	4		-10.0											
0400	+		-10.	5		-10.5											
0430	-13.	9	-14.	0		-14.0											
0500	-14.	1	-13.	8		-14.0											
0530	-13.	9	-13.	8		-13.8											
0600	-10.	6	-12.	0		-11.8											
0630	-11.	0	-10.	6		-10.8											
0700	-9.	3	-9.	6		-9.4											
0730	-9.	8	-12.	0		-10.9											
0800	-11.	8	-13.	2		-12.5											
0830	-12.	5	-14.	0		-13.2											
0900	-13.	1	-13.	4		-13.2											
0930	-13.	6	-13.	3		-13.4											
1000	-13.	5	-13.	0		-13.2											
1030	-13.	5	-13.	4		-13.4											
1100	-13.	1	-13.	0		-13.0											
1130	-13.	1	-13.	5		-13.3											
1200	-13.	5	-13.	3		-13.4											
1230	-13.	5	-13.	1		-13.3											
1300	-13.	7	-13.	2		-13.4											
1330	-13.	6	-13.	5		-13.6											
1400	-13.	3	-13.	2		-13.2											
1430	-13.	1	-13.	1		-13.1											
1500	-13.	3	-13.	1		-13.2											
1530	-13.	4	-13.	3		-13.4											
1600	-13.	5	-13.	4		-13.4											
1630	-13.	6	-13.	4		-13.5											
1700	-13.	4	-13.	6		-13.5											
1730	-13.	9	-13.	8		-13.8											
1800	-13.	6	-13.	5		-13.6											
1830	-13.	9	-13.	8		-13.8											
1900	-13.	8	-13.	6		-13.7											
1930	-13.	8	-13.	7		-13.8											
2000	-13.	8	-13.	4		-13.6											
2030	-13.	5	-13.	3		-13.4											
2100	-13.	8	-13.	6		-13.7											
2130	-13.	4	-13.	3		-13.4											
2200	-13.	2	-12.	3		-12.8											
2230	-12.	6	-10.	8		-11.7											
2300	-10.	0	-10.	0		-10.0											
2330	-11.	5	-11.	4		-11.4											326.98 + 5
2400	-12.	0	-11.	4		-11.7											0.9350
	-11.8		-10.5														

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ 510 PIER

Span _____ Zero _____ Freezer Temp. _____ Date 11 July, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 72 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-7.47 (-80)

318.99

	AH L1	L2	AH L3	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-3.	2	-5.	0		-4.1											
0100	—																
0130	—																
0200	+3.	9	+2.	2		+3.0											
0230	—		+5.	0		+5.0											
0300	—		+6.	0		+6.0											
0330	—		+3.	9		+3.9											
0400	+.	5	+3.	5		+2.0											
0430	+4.	5	+1.	5		+3.0											
0500	-4.	1	-4.	1		-4.1											
0530	-1.	5	-3.	0		-2.2											
0600	-3.	0	-3.	4		-3.2											
0630	-3.	8	-4.	5		-4.2											
0700	-4.	6	-5.	0		-4.8											
0730	-3.	8	-4.	2		-4.0											
0800	—		—														
0830	—		-6.	3		-6.3											
0900	-2.	3	-2.	6		-2.4											
0930	-1.	3	-2.	1		-1.7											
1000	-11.	0	-12.	1		-11.6											
1030	-12.	2	-12.	0		-12.1											
1100	-12.	3	-12.	1		-12.2											
1130	-12.	1	-11.	6		-11.8											
1200	-12.	0	-11.	6		-11.8											
1230	-12.	0	-11.	4		-11.7											
1300	-11.	8	-11.	4		-11.6											
1330	-12.	0	-11.	1		-11.6											
1400	-11.	8	-11.	2		-11.5											
1430	-12.	0	-11.	2		-11.6											
1500	-11.	9	-11.	9		-11.9											
1530	-12.	0	-11.	4		-11.7											
1600	-12.	2	-11.	5		-11.8											
1630	-12.	3	-11.	8		-12.0											
1700	-12.	8	-12.	0		-12.4											
1730	-13.	5	-12.	8		-13.2											
1800	-12.	9	-12.	3		-12.6											
1830	-12.	9	-12.	8		-12.8											
1900	-13.	0	-12.	8		-12.9											
1930	-13.	0	-13.	0		-13.0											
2000	-13.	4	-12.	8		-13.1											
2030	-10.	5	-13.	0		-10.8	(11.2)										
2100	-12.	3	-12.	4		-12.4											
2130	~~-12.~~	~~4~~	-11.	4		-11.1											
2200	-11.	0	-10.	7		-10.8											
2230	—		-4.	0		-4.0											
2300	—																
2330	—																326.98 + 0
2400	—		-2.	9		-2.9											0.9350

HN

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ S10 PIER

Span _____ Zero _____ Freezer Temp. _____ Date 10 JULY 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 72 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-7.79 (51)

318.64

	~~L1~~ AH	~~L2~~	~~L3~~ AH	~~L4~~	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	—																
0100	—																
0130	—																
0200	—																
0230	—																
0300	—																
0330	—																
0400	—																
0430	—																
0500	—																
0530	—																
0600	—																
0630	—																
0700	—		-4.	2		-4.2											
0730	—		—														
0800	-5.	8	-6.	3		-6.0											
0830	-3.	6	-5.	3		-4.4											
0900	-5.	8	-5.	5		-5.6											
0930	-6.	0	-6.	3		-6.2											
1000	-5.	2	-3.	2		-4.2											
1030	-2.	8	-1.	3		-2.0											
1100	—																
1130	-7.	3	-7.	1		-7.2											
1200	-6.	3	-5.	6		~~-6.8~~	(6.0)										
1230	-5.	9	-6.	3		-6.1											
1300	-6.	4	-6.	6		-6.5											
1330	-7.	8	-7.	5		-7.6											
1400	—																
1430	—																DEFROST FREEZER
1500	—																
1530	—																
1600	—		-10.	1		-10.1											
1630	-10.	7	-10.	6		-10.6											
1700	-12.	1	-11.	9		-12.0											
1730	-12.	2	-12.	0		-12.1											
1800	-12.	5	-12.	8		-12.6											
1830	-13.	5	-12.	8		-13.2											
1900	-13.	4	-13.	0		-13.2											
1930	-13.	6	-13.	3		-13.4											
2000	-13.	5	-13.	0		-13.2											
2030	-12.	7	-13.	0		~~-12.8~~											
2100	-9.	3	-7.	9		-8.6											
2130	-10.	1	—			-10.1											
2200	-8.	4	-5.	3		-6.8											
2230	—		-7.	5		-7.5											
2300	—		-3.	5		-3.5											
2330	—																326.98 + 0
2400	-3.	1	-1.	9		-2.5											0.9350

HN

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ S10 PIER

Span _____ Zero _____ Freezer Temp. _____ Date 9 JULY 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 72 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-9.29 (59)

317.04

	L1 AH	L2	L3 AH	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-8.	0	-8.	4		-8.2											
0100	-8.	6	-8.	6		-8.6											
0130	-8.	8	-8.	9		-8.8											
0200	—		-10.	2		-10.2											
0230	-9.	9	-10.	0		-10.0											
0300	-9.	2	-8.	4		-8.8											
0330	-9.	4	-9.	6		-9.5											
0400	-9.	9	-9.	8		-9.8											
0430	-9.	5	-9.	9		-9.4											
0500	-9.	5	-9.	3		-9.4											
0530	-8.	0	-7.	0		~~-8.5~~ (7.5)											
0600	-7.	2	-7.	6		-7.4											
0630	-6.	5	-6.	0		-6.2											
0700	-4.	8	-4.	5		-4.6											
0730	-5.	5	-5.	8		-5.6											
0800	-5.	3	-5.	4		-5.4											
0830	-5.	1	-6.	0		-5.6											
0900	-6.	3	-6.	8		-6.6											
0930	-7.	4	-7.	3		-7.4											
1000	—		-11.	7		-11.7											
1030	-11.	6	-11.	4		-11.5											
1100	-11.	5	-11.	3		-11.4											
1130	-11.	3	-10.	8		~~-11.6~~ (11.0)											
1200	-11.	4	-11.	0		-11.2											
1230	-11.	6	-11.	5		-11.6											
1300	-11.	9	-11.	0		-11.4											
1330	—		-11.	6		-11.6											
1400	-11.	9	-11.	7		-11.8											
1430	-11.	5	-12.	5		-12.0											
1500	-12.	5	-12.	1		-12.3											
1530	-11.	8	-11.	0		-11.4											
1600	—																
1630	—																
1700	—																
1730	—																
1800	—																
1830	—																
1900	—																
1930	—																
2000	—																
2030	—																
2100	—																
2130	—																
2200	—																
2230	—																
2300	—																
2330	—																326.98 ± 0
2400	—																0.9350

HN

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date July 8, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 72 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-9.76 (92)

316.54

	L1 AH	L2	L3 AH	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-9.	1	-9.	2		-9.2											
0100	-9.	1	-8.	6		-8.8											
0130	-8.	1	-7.	6		-7.8											
0200	-8.	2	-9.	0		-8.6											
0230	-9.	9	-9.	6		-9.8											
0300	-10.	0	-10.	0		-10.0											
0330	-9.	9	-9.	9		-9.9											
0400	-9.	0	-9.	0		-9.0											
0430	-10.	0	-10.	1		-10.0											
0500	-10.	5	-11.	3		-10.9											
0530	-10.	1	-9.	2		-9.6											
0600	-9.	2	-9.	0		-9.1											
0630	-9.	6	-9.	6		-9.6											
0700	-9.	2	—			-9.2											
0730	-8.	9	-9.	5		-9.2											
0800	-8.	8	-9.	0		-8.9											
0830	-8.	5	-8.	5		-8.5											
0900	-8.	4	-8.	2		-8.3											
0930	-8.	3	-8.	0		-8.2											
1000	-8.	3	-8.	0		-8.2											
1030	-8.	0	-7.	8		-7.9											
1100	-8.	2	-7.	9		-8.0											
1130	-7.	9	—			-7.9											
1200	-9.	9	-9.	9		-9.9											
1230	-10.	4	-11.	9		-11.2											
1300	-11.	9	-11.	8		-11.8											
1330	-12.	3	-12.	2		-12.2											
1400	-12.	6	-12.	5		-12.6											
1430	-13.	0	-12.	6		-12.8											
1500	-13.	0	-12.	8		-12.9											
1530	-12.	9	-13.	0		-13.0											
1600	-13.	2	-13.	1		-13.2											
1630	-13.	3	-13.	0		-13.2											
1700	-13.	2	-13.	0		-13.1											
1730	-13.	0	-12.	9		-13.0											
1800	-13.	5	-13.	2		-13.4											
1830	-13.	3	-13.	0		-13.2											
1900	-13.	3	-12.	7		-13.0											
1930	-12.	1	-11.	6		-11.8											
2000	-12.	0	-11.	3		-11.6											
2030	—		-10.	1		-10.1											
2100	-7.	8	—			-7.8											
2130	-5.	9	-5.	1		-5.5											
2200	-5.	6	-4.	4		-5.0											
2230	-5.	4	-4.	3		-4.8											
2300	-6.	1	-6.	2		-6.2											
2330	-6.	5	-6.	6		-6.6											326.98 + 0
2400	-3.	6	-4.	3		-4.0											0.9350

HN

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date JULY 7, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 72 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-12.06 (81)

314.08

	AH L1	AH L2	AH L3	AH L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-11.	0	-11.	5		-11.2											
0100	-11.	0	-11.	3		-11.2											
0130	-12.	0	-12.	9		-12.4											
0200	-12.	8	-11.	8		-12.8											
0230	-10.	5	-11.	7		-11.1											
0300	-11.	4	-11.	2		-11.3											
0330	-11.	7	-12.	0		-11.8											
0400	-11.	8	-11.	8		-11.8											
0430	-11.	4	-11.	2		-11.3											
0500	-10.	6	-11.	4		-11.0											
0530	-11.	5	-11.	8		-11.6											
0600	-11.	6	-11.	8		-11.7											
0630	-11.	0	-11.	1		-11.0											
0700	-11.	0	-10.	4		-10.7											
0730	-10.	9	—			-10.9											
0800	-11.	0	-11.	9		-11.4											
0830	-11.	6	-12.	1		-11.8											
0900	-12.	1	—			-12.1											
0930	—																
1000	—																defrost freezer
1030	—																
1100	—																
1130	—																
1200	—																
1230	—		-12.	7		-12.7											
1300	-12.	8	-12.	1		-12.4											
1330	-12.	6	-13.	1		-12.8											
1400	-12.	8	-12.	8		-12.8											
1430	-13.	3	-12.	8		-13.0											
1500	-13.	4	-12.	8		-13.1											
1530	-13.	2	-12.	9		-12.0	(13.0)										
1600	-13.	4	-13.	2		-13.3											
1630	-13.	3	-13.	4		-13.4											
1700	-13.	3	-12.	9		-13.1											
1730	-13.	5	-13.	0		-13.2											
1800	-13.	4	-13.	1		-13.2											
1830	-12.	7	-12.	7		-12.7											
1900	-12.	7	-12.	5		-12.6											
1930	-12.	5	-12.	4		-12.4											
2000	-12.	6	-11.	9		-12.2											
2030	-11.	5	-11.	4		-11.4											
2100	-11.	3	-11.	5		-11.4											
2130	-11.	9	-12.	1		-12.0											
2200	-12.	2	-12.	4		-12.3											
2230	-12.	1	-12.	4		-12.2											
2300	-12.	5	-12.	3		-12.4											
2330	-12.	5	-12.	0		-12.2											32698 + 0
2400	-10.	8	-10.	0		-10.4											0.9350
	HN -8.3		-8.9														

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ S10 PIER

Span _____ Zero _____ Freezer Temp. _____ Date JULY 6, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 72 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-11.58 (-95)

314.59

	AH L1	L2	AH L3	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-10.	5	-10.	3		-10.4											
0100	-10.	2	-10.	1		-10.2											
0130	-10.	3	-10.	1		-10.2											
0200	-9.	4	-9.	4		-9.4											
0230	-10.	4	-10.	0		-10.2											
0300	-11.	4	-11.	6		-11.5											
0330	-11.	8	-11.	0		-11.4											
0400	-9.	4	-9.	9		-9.6											
0430	-9.	6	-8.	6		-9.1											
0500	-7.	4	-8.	4		-8.2	(7.9)										
0530	-9.	6	-9.	6		-9.6											
0600	-10.	3	-9.	8		-10.0											
0630	-8.	7	-8.	8		-8.8											
0700	-8.	2	-9.	0		-8.6											
0730	-9.	1	-9.	8		-9.4											
0800	-10.	0	-12.	1		-11.0											
0830	-11.	3	—			-11.3											
0900	-12.	6	-12.	4		-12.5											
0930	-12.	3	-12.	8		-12.6											
1000	-12	5	-12.	9		-12.7											
1030	-13.	0	-12	2		-12.6											
1100	-12.	5	-12.	4		-12.4											
1130	-12.	5	-11.	6		-12.0											
1200	-12.	5	-12.	7		-12.6											
1230	-13.	1	-11.	6		-12.4											
1300	-12.	4	-11.	9		-12.2											
1330	-12.	9	-12.	5		-12.7											
1400	-12.	6	-12.	2		-12.4											
1430	-12.	8	-12.	6		-12.7											
1500	-13.	1	-11.	9		-12.5											
1530	—		-12.	3		-12.3											
1600	-12.	4	-12.	2		-12.3											
1630	-12.	4	-12.	8		-12.6											
1700	-12.	8	-12.	9		-12.8											
1730	-12	0	-13.	0		-13.0											
1800	-13.	0	-13.	0		-13.0											
1830	-12.	9	-13.	3		-13.1											
1900	-13.	3	-13.	4		-13.4											
1930	-13.	4	-13.	3		-13.4											
2000	-12.	9	-13.	2		-13.0	(13.0)										
2030	-13.	1	-12.	9		-13.0											
2100	-13.	4	-13.	2		-13.3											
2130	-13.	0	-12.	8		-13.0											
2200	-13.	1	-11.	4		-12.2											
2230	-11.	6	-11.	6		-11.6											
2300	-10.	6	-10.	3		-10.4											
2330	-11.	3	-11.	0		-11.2											326.98 + 0
2400	-11.	9	-11.	5		-11.7											0.9350
	AV. -5		-10.5														

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date JULY 5, 1955

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 72 _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-11.90 (96)

314.25

	AH L1	AH L2	AL L3	AL L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-9.1		-8.9			-9.0											
0100	-9.2		-8.8			-9.0											
0130	-9.5		-9.1			-9.3											
0200	-10.3		-10.0			-10.2											
0230	-10.0		-11.2			-10.6											
0300	-11.2		-10.7			-11.0											
0330	-11.1		-10.3			-10.7											
0400	-11.1		-10.8			-11.0											
0430	-10.8		-11.1			-11.0											
0500	-10.8		-10.6			-10.7											
0530	-10.4		-11.1			-10.8											
0600	-11.4		-11.6			-11.5											
0630	-11.2		-11.7			-11.4											
0700	-11.6		-10.9			-11.2											
0730	-11.1		-11.5			-11.3											
0800	-10.8		-11.2			-11.0											
0830	-12.2		-12.1			-12.2											
0900	-12.0		-11.9			-12.0											
0930	-11.8		-11.9			-11.8											
1000	-11.7		-12.0			-11.8											
1030	-11.8		-12.2			-12.0											
1100	-12.2		-11.7			-12.0											
1130	-12.0		-12.2			-12.1											
1200	-12.3		-12.0			-12.2											
1230	-12.2		-12.1			-12.2											
1300	-12.4		-11.8			-12.1											
1330	-12.3		-11.9			-12.1											
1400	-12.3		-12.0			-12.2											
1430	-12.6		-12.2			-12.4											
1500	-12.8		-12.8			-12.8											
1530	-13.1		-12.8			-12.9											
1600	-13.5		-13.0			-13.2											
1630	-13.6		-13.4			-13.5											
1700	-13.6		-13.1			-13.4											
1730	-13.5		-13.3			-13.4											
1800	-13.6		-13.4			-13.5											
1830	-13.8		-13.4			-13.6											
1900	-13.6		-13.2			-13.4											
1930	-13.3		-13.3			-13.3											
2000	-13.0		-13.9			-13.4											
2030	-13.0		-13.3			-13.2											
2100	-12.9		-13.2			-13.0											
2130	-13.1		-13.7			-13.4											
2200	-13.3		-13.4			-13.4											
2230	-13.3		-13.4			-13.4											
2300	-10.1		-10.5			-10.3											
2330	-10.6		-11.1			-10.8											
2400	-10.8		-10.9			-10.8											
	-10.9		-10.0														

326.98 ÷ 0
0.9350

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date July 9, 1955

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 72 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-11.82 (96)

317.33

	AH -71.9	AL -71.8	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-11.1	-11.8		-11.4											
0100	-12.2	-11.7		-12.0											
0130	-11.5	-11.9		-11.7											
0200	-11.5	-11.9		-11.7											
0230	-11.4	-11.4		-11.4											
0300	-11.4	-11.3		-11.4											
0330	-12.9	-10.7		-11.0											
0400	-10.8	-11.2		-11.0											
0430	-11.0	-11.6		-11.3											
0500	-11.2	-11.4		-11.3											
0530	-11.8	-11.6		-11.7											
0600	-11.7	-11.9		-11.8											
0630	-11.9	-11.9		-11.9											
0700	-10.7	-11.2		-11.0											
0730	-11.0	-11.2		-11.1											
0800	-11.1	-10.8		-11.0											
0830	-10.7	-11.1		-10.9											
0900	-11.4	-12.1		-11.8											
0930	-11.4	-11.5		-11.4											
1000	-11.1	-11.5		-11.3											
1030	-11.5	-11.4		-11.4											
1100	-11.2	-11.0		-11.1											
1130	-11.3	-11.9		-11.6											
1200	-11.8	-11.9		-11.8											
1230	-11.6	-11.7		-11.6											
1300	-11.9	-11.6		-11.8											
1330	-12.5	-10.9		-11.7											
1400	-11.6	-11.8		-11.7											
1430	-12.1	-12.3		-12.2											
1500	-12.4	-12.2		-12.3											
1530	-12.5	-12.3		-12.4											
1600	-12.5	-12.5		-12.5											
1630	-12.5	-12.6		-12.6											
1700	-12.8	-12.8		-12.8											
1730	-12.7	-12.8		-12.8											
1800	-12.8	-13.0		-12.9											
1830	-13.1	-12.7		-12.9											
1900	-12.9	-12.7		-12.8											
1930	-13.2	-13.0		-13.1											
2000	-12.9	-12.9		-12.9											
2030	-12.8	-12.6		-12.7											
2100	-13.0	-12.5		-12.8											
2130	-12.8	-12.3		-12.8											
2200	-12.5	-12.8		-12.6											
2230	-12.6	-12.4		-12.5											
2300	-11.1	-10.5		-10.8											
2330	-8.8	-10.9		-9.8											326.98 + 5
2400	-11.7	-9.5		-10.6											6.9350
	-10.3	-10.2													

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date July 3, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 72 _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-11.86 (96)
(314.29)

	AH -12.4	AL -12.5	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-12.3	-12.0		-12.2											
0100	-12.3	-12.0		-12.2											
0130	-12.0	-12.0		-12.0											
0200	-11.7	-11.5		-11.6											
0230	-11.6	-12.5		-12.0											
0300	-12.4	-12.4		-12.4											
0330	-12.5	-12.4		-12.4											
0400	-12.5	-12.7		-12.6											
0430	-12.5	-12.2		-12.4											
0500	-11.8	-12.2		-12.0											
0530	-12.4	-12.5		-12.4											
0600	-11.5	-11.8		-11.6											
0630	-11.6	-11.2		-11.4											
0700	-11.1	-10.3		-10.7											
0730	-10.9	-10.8		-10.8											
0800	-11.6	-12.6		-12.1											
0830	-11.7	-12.5		-12.1											
0900	-11.8	-11.3		-11.6											
0930	-11.8	-11.4		-11.6											
1000	-12.0	-12.0		-12.0											
1030	-12.0	-11.9		-12.0											
1100	-12.1	-12.0		-12.0											
1130	-11.5	-11.4		-11.4											
1200	-11.6	-11.1		-11.4											
1230	-10.9	-11.6		-11.2											
1300	-11.4	-11.0		-11.2											
1330	-11.4	-11.4		-11.4											
1400	-11.8	-11.8		-11.8											
1430	-11.6	-10.5		-11.0											
1500	-10.7	-11.6		-11.2											
1530	-12.0	-11.3		-11.6											
1600	-11.0	-12.2		-12.6	(-11.6)										
1630	-11.1	-11.8		-11.4											
1700	-11.7	-11.8		-11.8											
1730	-11.8	-11.9		-11.8											
1800	-11.9	-11.8		-11.8											
1830	-11.9	-12.1		-12.0											
1900	-12.2	-12.1		-12.2											
1930	-12.2	-11.8		-12.0											
2000	-12.0	-11.8		-11.9											
2030	-12.2	-12.5		-12.4											
2100	-12.7	-12.1		-12.4											
2130	-12.0	-12.0		-12.0											
2200	-12.4	-12.8		-12.6											
2230	-12.4	-12.2		-12.3											
2300	-12.3	-12.2		-12.2											
2330	-12.2	-12.3		-12.2											326.98 + 0
2400	-12.3	-12.3		-12.3											0.9350
	-12.2	-10.5													

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ S10 PIER

Span _____ Zero _____ Freezer Temp. _____ Date JULY 2, 1957

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 72 _____ From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-11.94 (84)

314.20

	AH L1	AH L2	AL L3	AL L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-12.	2	-11.	5		-11.8											
0100	-11.	2	-12.	2		-11.7											
0130	-12.	3	-12.	3		-12.3											
0200	-12.	3	-12.	1		-12.2											
0230	-12.	3	-11.	8		~~-12.6~~	(12.0)										
0300	-11.	8	-12.	4		-12.1											
0330	-12.	2	-12.	2		-12.2											
0400	-12.	0	-11.	9		-12.0											
0430	-11.	7	-11.	4		-11.6											
0500	-11.	4	-11.	9		-11.6											
0530	-11.	1	-12.	1		-11.6											
0600	-11.	8	-11.	8		-11.8											
0630	-11.	8	-11.	5		-11.6											
0700	-11.	5	-11.	5		-11.5											
0730	-12.	0	-10.	8		-11.4											
0800	-11.	2	-11.	1		-11.2											
0830	-10.	8	-11.	0		-10.9											
0900	-11.	4	-10.	7		-11.0											
0930	-11.	2	-11.	2		-11.2											
1000	-10.	2	-11.	0		-10.6											
1030	-10.	8	-11.	2		-11.0											
1100	-10.	7	-10.	3		-10.5											
1130	-10.	4	-10.	3		-10.4											
1200	-10.	2	-10.	6		-10.4											
1230	-11.	5	-11.	2		-11.4											
1300	-11.	2	-11.	5		-11.4											
1330	-11.	5	-11.	7		-11.6											
1400	-12.	1	-11.	3		-12.7											
1430	-11.	9	-11.	2		-11.6											
1500	-12.	0	-11.	5		-11.8											
1530																	DEFROST FREEZER
1600																	
1630																	
1700																	
1730																	
1800																	
1830	-13.	3	-13.	1		-13.2											
1900	-13.	1	-13.	1		-13.1											
1930	-13.	4	-13.	2		-13.3	✓										
2000	-13.	2	-12.	6		-12.9											
2030	-12.	8	-12.	9		-12.8											
2100	-13.	1	-13.	2		-13.2											
2130	-13.	1	-13.	0		-13.0											
2200	-13.	1	-13.	2		-13.2											
2230	-13.	0	-12.	8		-12.9											
2300	-13.	0	-12.	8		-12.9											
2330	-13.	0	-13.	1		-13.0											326.98 ± 0
2400	-12.	7	-12.	6		-12.6											0.9350
	-12.8		-12.5														

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date JULY 1, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 25 + 72 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-9.23 (43)
-11.36 (42)

	AH L1	AH L2	AL L3	AL L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-11.0		-10.8			-10.9											315.45
0100	-11.0		-11.1			-11.0											
0130	-9.9		-9.8			-9.8											314.82
0200	-9.5		-9.3			-9.4											
0230	-9.3		-9.3			-9.3											
0300	-10.5		-10.4			-10.4											315.14
0330	-10.3		-10.4			-10.4											
0400	-9.8		-9.4			-9.6											
0430	-8.4		-8.4			-8.4											
0500	-7.7		-7.8			-7.8											
0530	-7.8		-7.8			-7.8											
0600	-7.7		-7.2			-7.4											
0630	-7.7		-7.5			-7.6											
0700	-7.7		-7.6			-7.6											
0730	—		—			—											POOR TRACE
0800	—		—			—											
0830	—		—			—											
0900	-9.7		-9.8			-9.8											
0930	-10.2		-10.0			-10.1											
1000	-10.1		-9.2			-9.6											
1030	-9.0		-9.0			-9.0											
1100	-9.3		-8.9			-9.1											
1130	-9.0		-8.9			-9.0											
1200	-9.9		-10.1			-10.0											
1230	-10.1		—			-10.1	25										CHANGE REF. GAS
1300	—		—			—											25 → 72
1330	-10.6		—			-10.6											
1400	-11.1		-11.1			-11.1	72										
1430	-11.2		-10.6			-10.9											
1500	-11.3		-10.8			-11.0											
1530	~~-10.6~~		-11.0			-11.0											
1600	-10.9		-11.0			-11.0											
1630	-11.2		-10.9			-11.0											
1700	-11.0		-11.0			-11.0											
1730	-11.1		-11.0			-11.0											
1800	-11.0		-11.2			-11.1											
1830	-11.3		-11.5			-11.4											
1900	-11.8		-11.0			-11.4											
1930	-11.3		-11.0			-11.2											
2000	-11.3		-11.7			-11.5											
2030	-11.7		-11.5			-11.6											
2100	-11.8		-11.2			-11.5											
2130	-11.6		-11.4			-11.5											
2200	-12.0		-11.9			-12.0											
2230	-12.1		-11.9			-12.0											25 325.33 + 0 / 0.9350
2300	-11.9		-11.9			-11.9											
2330	-12.2		-11.7			-12.0											72 326.98 + 0 / 0.9350
2400	-12.1		-12.2			-12.2											

HN

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date JUNE 30, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 25 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-9.28 (95)

315.40

	AH L1	AH L2	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-8.8	-9.2		-9.0											
0100	-8.6	-9.0		-8.8											
0130	-10.7	-11.0		-10.8											
0200	-9.7	-9.4		-9.6											
0230	-9.5	-9.6		-9.6											
0300	-9.3	-9.3		-9.3											
0330	-10.1	-9.5		-9.8											
0400	-8.9	-8.9		-8.9											
0430	-8.7	-8.7		-8.7											
0500	-9.0	-9.2		-9.1											
0530	-8.7	-8.6		-8.6											
0600	-8.5	-7.9		-8.2											
0630	-9.0	-8.7		-8.8											
0700	-8.2	-8.9		-8.6											
0730	-8.2	-8.3		-8.2											
0800	-7.5	-7.8		-7.6											
0830	-7.4	-8.3		-7.8											
0900	-8.1	-8.1		-8.1											
0930	-8.6	-9.2		-8.9											
1000	-9.6	-10.0		-9.8											
1030	-10.2	-9.5		-9.8											
1100	-9.6	-9.5		-9.6											
1130	-9.8	-9.2		-9.5											
1200	-9.5	-9.5		-9.5											
1230	-9.2	~~-8.7~~		~~-9.0~~	AL										CHANGE PUMP AL, NEW SEQUENCE:
1300	-8.5	-9.4		-9.0											1, 2 - AH
1330	—	-9.5		-9.5											3, 4 - AL
1400	-9.4	-8.9		-9.2											5 - Ref
1430	-9.1	-9.0		-9.0											
1500	-9.5	-9.1		-9.3											
1530	-9.3	-9.2		-9.2											
1600	-9.4	-8.9		-9.2											
1630	-9.0	-9.1		-9.0											
1700	-9.3	-9.2		-9.2											
1730	-9.4	-9.1		-9.2											
1800	-9.0	-9.0		-9.0											
1830	-8.8	-8.5		-8.6											
1900	-9.5	-9.1		-9.3											
1930	-10.0	-9.8		-9.9											
2000	-10.0	-9.7		-9.8											
2030	-9.9	-9.9		-9.9											
2100	-10.3	-10.2		-10.2											
2130	-10.3	-10.4		-10.4	✓										
2200	-10.5	-10.3		-10.4	✓										
2230	-10.4	-9.7		-10.0											
2300	-10.1	-9.8		-10.0											
2330	-9.9	-9.9		-9.9											325.33 + 0
2400	-10.8	-9.7		-10.2											0.9350
	-11.0	-11.0													

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date JUNE 29, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 25 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-9.81 (86)
314.83

	AH -8.4	AH -8.3	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-7.9	-8.2		-8.0											
0100	-8.0	-7.2		-7.6											
0130	-9.1	-9.0		-9.0											
0200	-9.0	-9.1		-9.0											
0230	-8.7	-8.8		-8.8											
0300	-9.3	-9.4		-9.4											
0330	-9.0	-8.6		-8.8											
0400	-9.2	-8.7		-9.0											
0430	-9.2	-9.7		-9.4											
0500	-8.3	-8.8		-8.6											
0530	-7.3	-8.8		-8.0											
0600	-9.1	-8.5		-8.8											
0630	-8.5	-8.4		-8.4											
0700	—	—		—											
0730	—	-9.4		-9.4											
0800	-9.2	-9.8		-9.5											
0830	-9.1	-9.5		-9.3											
0900	-9.5	-10.3		-9.9											
0930	-10.0	-10.5		-10.2											
1000	-9.9	-9.9		-9.9											
1030	-10.0	-9.1		-9.6											
1100	-9.6	-10.0		-9.8											
1130	-9.9	-10.1		-10.0											
1200	-9.9	-10.1		-10.0											
1230	-9.9	-10.2		-10.0											
1300	-10.7	-10.4		-10.6											
1330	-10.5	-10.3		-10.4											
1400	-10.3	-10.6		-10.4											
1430	-9.9	-10.6		-10.2											
1500	-10.6	—		-10.6											CHANGE PUMP AH
1530	—	—													
1600	—	-9.7		-9.7											
1630	-10.5	-10.2		-10.4											
1700	-10.5	-10.7		-10.6											
1730	-10.4	-10.4		-10.4											
1800	-10.4	-10.7		-10.6											
1830	-10.6	-10.6		-10.6											
1900	-10.6	-10.7		-10.6											
1930	-10.7	-10.7		-10.7											
2000	-10.6	-10.7		-10.6											
2030	-10.8	-11.0		-10.9											
2100	-11.0	-10.8		-10.9											
2130	—	—		—											POOR TRACE
2200	-11.3	-10.8		-11.0											
2230	-11.7	-11.5		-11.6											
2300	—	-11.4		-11.4											
2330	-9.8	-9.2		-9.5											325.33 + 5
2400	-9.5	-9.2		-9.4											0.9350
	-8.4	-8.3													

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date JUNE 28, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 25 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-10.25 (86)

317.36

	AH L1	AH L2	AH L3	AH L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-10.0		-10.2			-10.1											
0100	-10.2		-10.5			-10.4											
0130	-9.9		-10.0			-10.0											
0200	-10.0		-10.1			-10.0											
0230	-10.1		-10.1			-10.1											
0300	-10.2		-10.3			-10.2											
0330	-10.0		-9.8			-9.9											
0400	-9.8		-10.2			-10.0											
0430	-10.1		-10.0			-10.0											
0500	-10.0		-10.0			-10.0											
0530	-10.2		-9.8			-10.0											
0600	-9.2		-10.0			-9.6											
0630	-10.0		-9.8			-9.9											
0700	-10.3		-10.2			-10.2											
0730	-10.5		-10.9			-10.7											
0800	-10.4		-10.9			-10.6											
0830	-10.8		-10.8			-10.8											
0900	-10.2		-10.5			-10.4											
0930	-10.5		-10.7			-10.6											
1000	-11.0		-10.7			-10.8											
1030	-10.7		-10.8			-10.8											
1100	-10.7		-10.7			-10.7											
1130	-10.8		-10.7			-10.8											
1200	-10.5		-10.3			-10.4											
1230	-10.7		-10.8			-10.8											
1300	-10.7		-10.8			-10.8											
1330	-10.5		-10.7			-10.6											
1400	-11.2		-11.1			-11.2											
1430	-11.2		-10.7			-11.0											
1500	-10.8		—			-10.8											DEFROST FREEZER
1530																	
1600																	
1630																	
1700																	
1730	—		-9.9			-9.9											
1800	-10.8		-10.6			-10.7											
1830	-10.7		-10.7			-10.7											
1900	-10.7		-10.5			-10.6											
1930	-10.6		-10.8			-10.7											
2000	-11.2		-10.5			-10.8											
2030	-11.0		-10.0			-10.5											
2100	-10.1		-9.9			-10.0											
2130	-9.9		-10.3			-10.1											
2200	-9.9		-9.8			-9.8											
2230	-9.1		-8.5			-8.8											
2300	-8.5		-8.2			-8.4											
2330	-8.8		—			-8.8											325.33 + 0
2400	-9.2		-9.2			-9.2											0.9350
	-6.3		-8.8														

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ 510 PIER

Span _____ Zero _____ Freezer Temp. _____ Date JUNE 27, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 25 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-9.74 (96)

314.91

	AH L1	AH L2	AH L3	AH L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-9.	3	-9	3		-9.3											
0100	-9.	1	-9.	2		-9.2											
0130	-9.	5	-9.	4		-9.4											
0200	-9.	2	-9.	2		-9.2											
0230	-9.	6	-9.	0		-9.3											
0300	-9.	2	-8.	9		-9.0											
0330	-8.	7	-9.	0		-8.8											
0400	-8.	8	-8.	9		-8.8											
0430	-9.	1	-8.	7		-8.9											
0500	-8.	8	-9.	5		-9.2											
0530	-9.	2	-8.	9		-9.0											
0600	-9.	0	-9.	1		-9.0											
0630	-8.	6	-8.	8		-8.7											
0700	-9.	1	-9.	3		-9.2											
0730	-8.	8	-9.	1		-8.6											
0800	-9.	1	-9.	1		-9.1											
0830	-9.	9	-9.	6		-9.8											
0900	-9.	9	-10.	0		-10.0											
0930	-10.	3	-10.	1		-10.2											
1000	-10.	1	-9.	4		-9.8											
1030	-10.	3	-10.	2		-10.2											
1100	-10.	3	-10.	1		-10.2											
1130	-10.	3	-10.	4		-10.4											
1200	-10.	9	-10.	2		-10.6											
1230	-10.	6	-10.	4		-10.5											
1300	-10.	0	-10.	4		-10.2											
1330	-10.	4	-10.	0		-10.2											
1400	-10.	0	-9.	6		-9.8											
1430	-10.	6	-9.	9		-10.0											
1500	-10.	0	-10.	0		-10.0											
1530	-10.	6	-10.	8		-10.7											
1600	-10.	3	-10.	8		-10.6											
1630	-10.	4	-10.	2		-10.3											
1700	-9.	9	-10.	2		-10.0											
1730	-10.	2	-10.	3		-10.2											
1800	-10.	2	-10.	5		-10.4											
1830	-10.	3	-10.	1		-10.2											
1900	-10.	1	-10.	3		-10.2											
1930	-9	9	-9.	8		-9.8											
2000	-8.9		-9.6			-9.2											
2030	-9.0		-9.8			-9.4											
2100	-9.7		-9.9			-9.8											
2130	-10.5		-10.0			-10.2											
2200	-10.0		-10.1			-10.0											
2230	-10.0		-9.8			-9.9											
2300	-9.2		-9.9			-9.6											
2330	-10.5		-9.9			-10.2											325.33 + .0
2400	-10.2		-10.5			-10.4											9.9350
	-10.3		-9.8														

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ 510 PIER

Span _____ Zero _____ Freezer Temp. _____ Date JUNE 26, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 25 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-9.39 (93)

315.28

	L1 HH	L2	L3 AH	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-8.	8	-8.	5		-8.7											
0100	-8.	9	-8.	8		-8.8											
0130	-8.	4	-8.	9		-8.6											
0200	-8.	9	-9.	1		-9.0											
0230	-9.	0	-9.	2		-9.1											
0300	-8.	9	-9.	0		-9.0											
0330	-9.	2	-9.	3		-9.2											
0400	-9.	1	-8.	5		-8.8											
0430	-8.	9	-10.	1		-9.5											
0500	-8.	9	-8.	5		-8.7											
0530	-8.	5	-8.	5		-8.5											
0600	-8.	9	-8.	8		-8.8											
0630	-9.	4	—			-9.4											reset flow zero - 820-900
0700	—		-9.	3		-9.3											
0730	-9.	0	-9.	5		-9.2											
0800	-9.	3	-9.	9		-9.6											
0830	-9.	8	-10.	1		-10.0											
0900	-10.	3	-10.	0		-10.2											
0930	-10.	4	-10.	3		-10.4											
1000	-10.	2	-10.	0		-10.1											
1030	-10.	0	-10.	3		-10.2											
1100	-10.	6	-10.	5		-10.6											
1130	-10.	1	-9.	6		-9.8											
1200	-10.	0	-10.	0		-10.0											
1230	-9.	0	-9.	4		-9.2											
1300	-9.	4	-10.	1		-9.8											
1330	-9.	8	-9.	9		-9.8											
1400	-9.	4	-9.	5		-9.4											
1430	-9.	9	-9.	3		-9.6											
1500	-9.	6	-9.	3		-9.4											
1530	~~-10.~~		-10.	1		-10.1											
1600	-9.	5	-9.	7		-9.6											
1630	-9.	4	-9.	7		-9.6											
1700	-9.	3	-9.	4		-9.4											
1730	-9.	2	-9.	6		-9.4											
1800	-9.	2	-9.	6		-9.4											
1830	-9.	8	-9.	3		-9.6											
1900	-9.	6	-9.	7		-9.6											
1930	-9.	3	-8.	9		-9.1											
2000	-9.	0	-8.	8		-8.9											
2030	-8.	4	-9.	1		-8.8											
2100	-9.	0	-8.	9		-9.0											
2130	-9.	3	-9.	0		-9.2											
2200	-9.	3	-9.	3		-9.3											
2230	-9.	7	-8.	8		-9.2											
2300	-9.	2	-9.	7		-9.4											
2330	-9.	0	-9.	0		-9.0											325.33 + 0
2400	-9.	7	-8.	9		-9.3											0.9350

HN

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ S10 PIER

Span _____ Zero _____ Freezer Temp. _____ Date JUNE 25, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 25 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-9.59 (93)

315.07

	L1 AH ~~L2~~		L3 AH ~~L4~~		L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-10.	3	-10.	1		-10.2											
0100	-10.	2	-10.	0		-10.1											
0130	-9.	6	-10.	1		-9.8											
0200	-10.	2	-10.	0		-10.1											
0230	-10.	0	-9.	9		-10.0											
0300	-9.	9	-9.	6		-9.8											
0330	-10.	0	-10.	1		-10.0											
0400	-10.	3	-10.	0		-10.2											
0430	-9.	6	-9.	5		-9.6											
0500	-9.	7	-9.	6		-9.6											
0530	-9.	4	-10.	2		-9.8											
0600	-9.	4	-9.	7		-9.6											
0630	-8.	9	-9.	1		-9.0											
0700	-9.	5	-9.	7		-9.6											
0730	-9.	0	-9.	6		-9.3											
0800	-9.	3	-9.	8		-9.6											
0830	-9.	7	-9.	8		-9.8											
0900	-9.	5	-9.	3		-9.4											
0930	-9.	1	-8.	8		-9.0											
1000	-9.	0	-9.	3		-9.2											
1030	-9.	7	-9.	9		-9.8											
1100	-9.	8	-9.	4		-9.6											
1130	-9.	6	-9.	9		-9.8											
1200	-10.	3	-9.	[illegible]		-10.0											
1230	-10.	5	-9.	9		-10.2											
1300	-10.	2	-10.	1		-10.2											
1330	-10.	0	-10.	4		-10.2											
1400	-10.	4	-10.	2		-10.3											
1430	-10.	3	-9.	8		~~-10.5~~	(10.0)										
1500	-9.	5	—			-9.5											
1530	-10.	1	-10.	2		-10.2											
1600	-10.	3	-10.	3		-10.3											
1630	-10.	2	-9.	7		-10.0											
1700	-9.	8	-9.	4		-9.6											
1730	-9.	2	-9.	6		-9.4											
1800	-9.	6	-9.	8		-9.7											
1830	-9.	6	-9.	5		-9.6											
1900	—		—														
1930	-9.	5	-9.	5		-9.5											
2000	-9.	6	-9.	9		-9.8											
2030	-9.	1	-9.	0		-9.0											
2100	-8.	9	-9.	0		-9.0											
2130	-8.	9	-9.	1		-9.0											
2200	-9.	3	-8.	7		-9.0											
2230	-8.	7	-8.	5		-8.6											
2300	-8.	0	-8.	4		-8.2											
2330	-8.	4	-8.	6		-8.5											325.33 ÷ 5
2400	-8.	5	-8.	0		-8.2											0.9350
	-8.4		-8.6														

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ S/O PIER

Span _____ Zero _____ Freezer Temp. _____ Date JUNE 24, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 25 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-9.49 (96)
315.18

	L1 AH	L2	L3 AH	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-7.	5	-7.	4		-7.4											
0100	-7.	7	-7.	4		-7.6											
0130	-8.	2	-7.	8		-8.0											
0200	-7.	8	-7.	6		-7.7											
0230	-7.	9	-8.	0		-8.0											
0300	-7.	8	-7.	6		-7.7											
0330	-7.	3	-7.	4		-7.4											
0400	-8.	0	-7.	8		-7.9											
0430	-7.	8	-8.	0		-7.9											
0500	-7.	8	-8.	3		-8.0											
0530	-7.	6	-7.	5		-7.6											
0600	-8.	0	-7.	9		-8.0											
0630	-9.	0	-9.	5		-9.2											
0700	-8.	8	-9.	3		-9.0											
0730	-8.	7	-9.	4		-9.0											
0800	-10.	0	-10.	5		-10.2											
0830	-10.	4	-10.	5		-10.4											
0900	-10.	4	-10.	8		-10.6											
0930	-10.	7	-10.	5		-10.6											
1000	-10.	5	-10.	5		-10.5											
1030	-10.	2	-10.	4		-10.3											
1100	-10.	4	-10.	5		-10.4											
1130	-10.	3	-10.	1		-10.2											
1200	-10.	1	-9.	8		-10.0											
1230	-10.	5	-10.	5		-10.5											
1300	-10.	1	-10.	2		-10.2											
1330	-10.	6	-10.	2		-10.4											
1400	-10.	2	-9.	9		-10.0											
1430	-10.	0	-10.	2		-10.1											
1500	-10.	6	-10.	0		-10.3											
1530	-10.	1	-10.	3		-10.2											
1600	-10.	1	-10.	3		-10.2											
1630	-10.	7	-10.	0		-10.4											
1700	-10.	2	-10.	1		-10.2											
1730	-10.	3	-10.	2		-10.2											
1800	-9.	9	-9.	9		-9.9											
1830	-10.	3	-9.	9		-10.1											
1900	-10.	1	-9.	9		-10.0											
1930	-9.	8	-10.	3		-10.0											
2000	-9.	7	-9.	8		-9.8											
2030	-10.	1	-9.	4		-9.8											
2100	-10.	5	-10.	1		-10.3											
2130	-10.	1	-9.	9		-10.0											
2200	-9.	7	-10.	5		-10.1											
2230	-10.	8	-10.	0		-10.4											
2300	-10.	1	-9.	6		-9.8											
2330	-9.	5	-9.	5		-9.5											325.33 + 0
2400	-9.	9	-9.	5		-9.7											0.9350
	-9.6		-10.2														

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date JUNE 23, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 25 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-8.88 (84)

315.83

	L1	L2	L3	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-8.	4	-8.	3		-8.4											
0100	-7.	7	-7.	6		-7.6											
0130	-7.	1	-7.	6		-7.4											
0200	-7.	5	-7.	1		-7.3											
0230	-7.	1	-7.	1		-7.1											
0300	-7.	4	-7.	6		-7.5											
0330	-7.	8	-7.	8		-7.8											
0400	-7.	5	-7.	4		-7.4											
0430	-7.	6	-7.	8		-7.7											
0500	-8.	6	-7.	9		~~-8.0~~	(-8.2)										
0530	-7.	8	-7.	4		-7.6											
0600	-6.	5	-6.	6		-6.6											
0630	-6.	8	-6.	9		-6.8											
0700	-6.	6	—			-6.6											
0730	-6.	8	-6.	9		-6.8											
0800	-7.	6	-8.	2		-7.9											
0830	-7.	3	-9.	5		-8.4											
0900	-9.	5	-9.	6		-9.6											
0930	-10.	0	-10.	0		-10.0											
1000	-10.	3	-10.	0		-10.2											
1030	-9.	9	-10.	3		-10.1											
1100	-10.	0	-9.	9		-10.0											
1130	-10.	0	-10.	1		-10.0											
1200	-9.	6	-9.	6		-9.6											
1230	-9.	2	—			-9.2											
1300	-9.	3	-10.	0		-9.6											
1330	-10.	0	-9.	4		-9.7											
1400	-9.	2	-9.	3		-9.2											
1430	-9.	4	-9.	7		-9.6											
1500	—		—														DEFROST FREEZER
1530	—		—														
1600	—		—														
1630	—		—														
1700	—		—														
1730	—		-10.	0		-10.0											
1800	-10.	0	-10.	0		-10.0											
1830	-10.	5	-10.	2		-10.4	✓										
1900	-10.	3	-10.	4		-10.4	✓										
1930	-10.	1	-10.	3		-10.2											
2000	-10.	0	-9.	8		-9.9											
2030	-10.	3	-9.	9		-10.1											
2100	-9.	8	-9.	7		-9.8											
2130	-9.	9	-10.	2		-10.0											
2200	-10.	0	-9.	8		-9.9											
2230	-9.	6	-9.	6		-9.6											
2300	-9.	4	-9.	5		-9.4											
2330	-9.	6	-9.	3		-9.4											325.33 ± 0
2400	-9.	3	-8.	8		-9.0											0.9350
MN	-9.	7	-8.	5													

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ S10 PIER

Span _____ Zero _____ Freezer Temp. _____ Date JUNE 22, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 25 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-8.31 (93)

316.77

	L1 / L2 AH	L3 / L4 AH	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-8.3	-6.9		-7.6											
0100	-6.9	-7.7		-7.3											
0130	-8.2	-7.9		-8.0											
0200	-8.3	-8.8		-8.6											
0230	—	-6.9		-6.9											
0300	-6.9	-7.9		-7.4											
0330	-7.3	-7.3		-7.3											
0400	-7.1	-6.3		-6.7											
0430	-6.9	-7.0		-7.0											
0500	-7.0	-7.1		-7.0											
0530	-7.5	-7.7		-7.6											
0600	-7.7	-7.7		-7.7											
0630	-8.0	-8.1		-8.0											
0700	-7.8	-8.0		-7.9											
0730	-7.9	-7.4		-7.6											
0800	-7.4	-7.5		-7.4											
0830	-7.2	-7.5		-7.4											
0900	-6.9	-6.7		-6.8											
0930	-7.4	-7.3		-7.4											
1000	-7.4	-8.0		-7.7											
1030	-7.2	-8.1		-7.6											
1100	-8.6	-8.4		-8.5											
1130	-8.4	-8.8		-8.6											
1200	-8.7	-8.9		-8.8											
1230	-9.0	-8.5		-8.8											
1300	-8.6	-9.0		-8.8											
1330	-8.5	-8.9		-8.7											
1400	-9.0	-9.2		-9.1											
1430	-8.7	-9.1		-8.9											
1500	-9.2	-8.6		-8.9											
1530	-9.0	-8.5		-8.8											
1600	-9.1	-9.8		-9.4	✓										
1630	-8.8	-8.5		-8.6											
1700	-9.4	-9.3		-9.4	✓										
1730	-9.4	-9.2		-9.3											
1800	-9.3	-8.8		-9.0											
1830	-9.1	-9.4		-9.2											
1900	-9.2	-9.1		-9.2											
1930	-9.1	-9.0		-9.0											
2000	-9.0	-9.6		-9.3											
2030	-9.1	-8.6		-8.8											
2100	-9.0	-8.4		-8.7											
2130	—	—													
2200	-9.5	-9.2		-9.4	✓										
2230	-9.4	-9.2		-9.3											
2300	-9.5	-8.9		-9.2											
2330	-9.4	-8.9		-9.2											325.33 + 0
2400	-9.2	-8.5		-8.8											0.9350
	-8.4	-8.4													

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ S10 PIER

Span _____ Zero _____ Freezer Temp. _____ Date JUNE 21, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 25 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-7.68 (90)

317.11

	A H 1	2	A H 3	4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-9.	0	-9.	9		-9.2											
0100	-9.	0	-9.	0		-9.0											
0130	-8.	6	-8.	7		-8.6											
0200	-8.	5	-9.	1		-8.8											
0230	-8.	6	-8.	6		-8.6											
0300	-8.	2	-8.	4		-8.3											
0330	-7.	8	-8.	3		-8.0											
0400	-7.	8	-8.	2		-8.0											
0430	-8.	4	-8.	1		-8.2											
0500	-7.	5	-7.	8		-7.6											
0530	-7.	2	-7.	4		-7.3											
0600	-7.	1	—			-7.1											
0630	-6.	7	-6.	5		-6.6											
0700	-4.	7	—			-4.7											
0730	+1.	9	+1.	9		+1.4											
0800	+1.	5	0.	0		+.8											
0830	—		-6.	6		-6.6											
0900	-7.	9	-9.	0		-8.4											
0930	-8.	2	-8.	5		-8.4											
1000	-7.	5	-7.	8		-7.6											
1030	-6.	7	-6.	7		-6.7											
1100	-6.	3	-6.	6		-6.4											
1130	-7.	0	-7.	0		-7.0											
1200	-7.	4	-7.	0		-7.2											
1230	-7.	7	-7.	4		-7.6											
1300	-7.	3	-7.	3		-7.3											
1330	-8.	0	-8.	3		-8.2											
1400	-8.	5	-8.	3		-8.4											
1430	-8.	6	-8.	5		-8.6											
1500	-8.	6	-8.	9		-8.8											
1530	-8.	9	-8.	8		-8.8											
1600	-9.	0	-8.	9		-9.0											
1630	-9.	1	-9.	1		-9.1											
1700	-9.	3	-8.	9		-9.1											
1730	-8.	9	-8.	9		-8.7											
1800	-8.	9	-8.	9		-8.9											
1830	-9.	3	-9.	2		-9.2	HH										
1900	-8.	7	-8.	1		-8.4											
1930	-8.	2	-8.	2		-8.2											
2000	-8.	0	-7.	9		-8.0											
2030	-7.	3	—			-7.3											
2100	-5.	4	-2.	2		-3.8											
2130	-9.	2	-9.	5		-9.4											
2200	-9.	9	-9.	4		-9.6											
2230	-9.	9	-9.	3		-9.6											
2300	-9.	4	-9.	4		-9.4											
2330	-9.	6	-8.	6		-9.1											32577 + 5
2400																	0.9356

HN

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ S/O PIER

Span _____ Zero _____ Freezer Temp. _____ Date JUNE 20, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 25 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-8.35 (82)

316.40

	AH 1	AH 2	AL 3	AL 4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-9.	4	-9.	1		-9.2											
0100	-8.	8	-8.	7		-8.8											
0130	-8.	5	-7.	9		-8.2											
0200	-8.	2	-7.	6		-7.9											
0230	-8.	3	-7.	6		-8.0											
0300	-7.	9	-7.	7		-7.8											
0330	-7.	6	-7.	3		-7.4											
0400	-8.	0	-7.	6		-7.8											
0430	-7.	5	-7.	4		-7.4											
0500	-6.	7	-7.	3		-7.0											
0530	-7.	3	-7.	5		-7.4											
0600	-7.	6	-8.	1		-7.8											
0630	-7.	9	-8.	5		-8.2											
0700	-8.	0	-8.	7		-8.4											
0730	-8.	3	-8.	1		-8.2											
0800	-8.	4	-8.	7		-8.6											
0830	-8.	5	-9.	0		-8.8											
0900	-9.	0	-7.	9		-8.4											
0930	-8.	3	-8.	7		-8.5											
1000	-8.	4	-8.	8		-8.6											
1030	-8.	3	-8.	9		-8.6											
1100	-8.	3	-8.	6		-8.4											
1130	-8.	0	-8.	4		-8.2											
1200	-8.	5	-8.	8		-8.6											
1230	-8.	2	-8.	4		-8.3											
1300	-8.	3	-8.	6		-8.4											
1330	-8.	5	-8.	8		-8.6											
1400	-8.	3	-8.	1		-8.2											
1430	-8.	2	-8.	3		-8.2											
1500	-8.	3	-8.	0		-8.2											
1530	-8.	3	-8.	2		-8.2											
1600	-8.	7	—			-8.7											
1630	—		—														defrost freezer
1700	—		—														
1730	—		—														
1800	—		—														
1830	—		—														
1900	—		—														
1930	—		-8.	6		-8.6											
2000	-8.	9	-8.	5		-8.7											
2030	-8.	7	-8.	8		-8.8											
2100	-8.	9	-8.	6		-8.8											
2130	-9.	8	-8.	4		-9.1											
2200	-8.	9	-8.	9		-8.9											
2230	-8.	9	-8.	9		-8.9											
2300	-8.	7	-8.	9		-8.8											
2330	-8.	6	-8.	7		-8.8											325.33 + 5
2400	-8.	4	-8.	4		-8.4											0.9350
	-9.0		-9.0														

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ J10 PIER

Span _____ Zero _____ Freezer Temp. _____ Date JUNE 19, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 25 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-8.20 (93)

31.6.56

	AH L1	AH L2	AA L3	AA L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-6.	6	-7.	5		-7.0											
0100	-6.	9	-8.	3		-7.6											
0130	-8.	2	-8.	0		-8.1											
0200	-8.	6	-9.	0		-8.8											
0230	-9.	3	-9.	0		-9.2											
0300	-8.	6	-8.	4		-8.5											
0330	-7.	2	-7.	5		-7.4											
0400	-7.	9	-8.	4		-8.2											
0430	-8.	9	-8.	7		-8.8											
0500	-8.	6	-8.	7		-8.8											
0530	-8.	6	-8.	7		-8.6											
0600	-8.	9	-8.	2		-8.6											
0630	-7.	1	-8.	2		-7.6											
0700	-8.	0	-7.	6		-7.8											
0730	-7.	5	-7.	1		-7.3											
0800	-7.	0	-6.	8		-6.9											
0830	-6.	7	-7.	0		-6.8											
0900	-6.	8	-6.	9		-6.8											
0930	-6.	9	-6.	7		-6.8											
1000	-8.	0	-8.	0		-8.0											
1030	-7.	6	-7.	9		-7.8											
1100	-7.	6	-8.	0		-7.8											
1130	-8.	0	-8.	3		-8.2											
1200	-8.	0	-8.	0		-8.0											
1230	-8.	1	-7.	9		-8.0											
1300	-8.	0	-8.	2		-8.1											
1330	-8.	1	-8.	1		-8.1											
1400	-8.	2	-8.	9		-8.6											
1430	-8.	6	-8.	6		-8.6											
1500	-9.	3	-9.	0		-9.2											
1530	-9.	1	-8.	5		-8.8											
1600	-9.	0	-9.	2		-9.1											
1630	-8.	6	-8.	5		-8.6											
1700	-9.	1	-8.	7		-8.9											
1730	-9.	3	—			-9.3											
1800	—		-9.	9		-7.4	✓										
1830	-9.	3	-9.	1		-9.2											
1900	-9.	3	-9.	4		-9.4	✓										
1930	-9.	4	-8.	5		-9.0											
2000	-9.	4	-9.	3		-9.4	✓										
2030	-9.	1	-9.	1		-9.1											
2100	-8.	6	-9.	0		-8.8											
2130	-9.	1	-9.	2		-9.2											
2200	-7.	9	—			-7.9											
2230	-7.	3	-6.	4		-6.8											
2300	-7.	2	-6.	3		-6.8											
2330	-5.	6	-7.	0		-6.3											325.33 ± 0
2400	-7.	7	-7.	8		-7.8											0.9350
	-7.	3	-8.	4													

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date JUNE 18, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 25 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-6.33 (91)

318.56

	A (1)	A (2)	AH (3)	AH (4)	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-1.9		0.3			-1.8	(-1.1)										
0100	-1.4		0.0			-0.7											
0130	-4.1		-3.9			-4.0											
0200	-5.0		—			-5.0											
0230	-1.8		-2.6			-2.2											
0300	-2.9		-3.6			-3.2											
0330	-3.2		-2.8			-3.0											
0400	-0.9		-1.6			-1.2											
0430	-3.7		-3.5			-3.6											
0500	-4.3		-4.2			-4.2											
0530	-4.8		-5.3			-5.0											
0600	-3.8		-3.7			-3.8											
0630	-4.3		-4.3			-4.3											
0700	-2.9		-2.6			-2.8											
0730	-3.3		-4.6			-4.0											
0800	-6.5		-7.2			-6.8											
0830	-7.8		-8.2			-8.0											
0900	-7.8		-8.2			-8.0											
0930	-8.4		-8.2			-8.3											
1000	-7.8		-8.2			-8.0											
1030	-8.0		-8.3			-8.2											
1100	-8.2		-8.5			-8.4											
1130	-8.1		-8.2			-8.2											
1200	-8.3		-8.0			-8.2											
1230	-8.1		-8.4			-8.2											
1300	-8.5		-8.5			-8.5											
1330	-8.5		-8.5			-8.5											
1400	-8.2		-8.3			-8.2											
1430	-8.5		-8.8			-8.8											
1500	-8.7		-8.7			-8.7											
1530	-8.8		-8.9			-8.8											
1600	-8.5		-8.6			-8.6											
1630	-8.0		-8.9			-8.4											
1700	-7.9		-8.8			-8.4											
1730	-8.4		-8.4			-8.4											
1800	-8.6		-8.9			-8.8											
1830	-8.8		-8.9			-8.8											
1900	-8.9		-9.0			-9.0											
1930	-9.0		—			-9.0											change chart paper
2000	—																
2030	-9.3		-9.2			-9.2											
2100	—		-6.7			-6.7											
2130	-6.1		-6.1			-6.1											
2200	-7.8		-7.3			-7.6											
2230	-5.0		-6.9			-6.0											
2300	-7.2		-6.4			-6.8											
2330	-6.8		-7.2			-7.0											325.33 + 5
2400	-6.9		-6.8			-6.8											0.9350
	-2.9		-2.9														

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date JUNE 17, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 25 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-7.01 (96)

317.83

	DH L1	DH L2	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-7.8	-8.0		-7.9											
0100	-6.9	-7.0		-7.0											
0130	-7.0	-5.9		-6.4											
0200	-3.9	-4.7		-4.3											
0230	-7.2	-6.7		-7.0											
0300	-7.0	-7.0		-7.0											
0330	-7.2	-6.8		-7.0											
0400	-7.7	-7.6		-7.6											
0430	-6.7	-7.3		-7.0											
0500	-6.9	-6.2		-6.6											
0530	-5.8	-5.6		-5.7											
0600	-5.0	-5.1		-5.0											
0630	-4.7	-4.1		-4.4											
0700	-3.8	-3.8		-3.8											
0730	-2.6	-3.8		-3.2											
0800	-3.8	-4.2		-4.0											
0830	-4.6	-5.1		-4.8											
0900	-5.5	-5.9		-5.7											
0930	-5.6	-6.4		-6.0											
1000	-6.4	-6.3		-6.4											
1030	-5.7	-7.2		-6.4											
1100	-7.0	-7.2		-7.1											
1130	-7.2	-7.1		-7.2											
1200	-7.7	-8.1		-7.9											
1230	-8.2	-8.6		-8.4											
1300	-8.3	-8.2		-8.2											
1330	-8.3	-8.0		-8.2											
1400	-7.7	-8.3		-8.0											
1430	-8.5	-9.3		-8.9											
1500	-9.5	-8.1		-8.8											
1530	-8.5	-9.2		-8.8											
1600	-9.2	-8.9		-9.0											
1630	-8.7	-9.1		-8.9											
1700	-9.0	-9.5		-9.2											
1730	-9.2	-9.3		-9.2											
1800	-9.1	-9.2		-9.2											
1830	-9.2	-9.4		-9.3											
1900	-9.1	-8.9		-9.0											
1930	-8.9	-8.6		-8.8											
2000	-8.7	-8.3		-8.5											
2030	-7.0	-8.2		-7.5	(-9.6)										
2100	-7.1	-6.4		-6.8											
2130	-6.5	-6.3		-6.9											
2200	-7.4	-6.0		-6.7											
2230	-7.0	-7.2		-7.1											
2300	-7.3	-5.5		-6.4											
2330	-7.0	-6.8		-6.9											325.33 + 0
2400	-6.8	-6.7		-6.8											0.9350
	-6.7	-6.3													

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date JUNE 16, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 25 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-8.95 (84)

315.75

	AH ~~L2~~	AH ~~L4~~	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
	~~-8.0~~	~~-8.4~~													
0030	-8.7	-8.7		-8.7											
0100	-8.4	-8.5		-8.4											
0130	-8.5	-8.0		-8.2											
0200	-8.2	-8.2		-8.2											
0230	-8.0	-8.9		-8.4											
0300	-9.0	-8.9		-9.0											
0330	-9.1	-8.9		-9.0											
0400	-9.5	-9.0		-9.2											
0430	-8.8	-9.1		-9.0											
0500	-8.7	-8.9		-8.8											
0530	-9.2	-10.1		-9.6											
0600	-10.0	-9.0		-9.5											
0630	-9.0	-9.2		-9.1											
0700	-9.3	-9.1		-9.2											
0730	-9.6	-9.5		-9.6											
0800	-9.2	-9.3		-9.2											
0830	-9.3	-9.3		-9.3											
0900	-9.5	-9.7		-9.6											
0930	-9.5	-9.3		-9.4											
1000	-9.7	-9.1		-9.4											
1030	-9.1	-9.5		-9.3											
1100	-9.3	-9.8		-9.6											
1130	-9.5	-9.5		-9.5											
1200	-9.5	-9.5		-9.5											
1230	-9.5	-9.5		-9.5											
1300	-9.2	-9.1		-9.2											
1330	-9.2	-9.2		-9.2											
1400	-9.2	-9.3		-9.2											
1430	-9.2	—		-9.2											DEFROST FREEZER
1500															
1530															
1600															
1630	—														
1700															
1730	—	-9.3		-9.3											
1800	-9.5	-9.2		-9.4											
1830	-9.4	-9.2		-9.3											
1900	-9.4	-9.0		-9.2											
1930	-8.9	-8.5		-8.7											
2000	-8.8	-8.6		-8.8											
2030	-9.1	-9.5		-9.3											
2100	-9.2	-9.1		-9.2											
2130	-9.0	-8.8		-8.9											
2200	-9.0	-8.9		-9.0											
2230	-8.7	-8.5		-8.6											
2300	-5.9	-7.2		-6.6											
2330	-7.4	-6.6		-7.0											325.33 ± 5
2400	-6.0	-6.8		-6.4											09550
	HN -7.7	-7.1													

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date JUNE 15, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 25 _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-8.98 (64)

315.72

	AH ~~L1~~	AH ~~L2~~	AH ~~L3~~	AH ~~L4~~	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030																	INK RAN OUT
0100																	
0130																	
0200																	
0230																	
0300																	
0330																	
0400																	
0430																	
0500																	
0530																	
0600																	
0630																	
0700																	
0730	-8.6	-8.9				-8.8											
0800	-8.3	-8.2				-8.2											
0830	-7.9	-8.7				-8.3											
0900	-8.4	-9.0				-8.7											
0930	-9.0	-9.1				-9.0											
1000	-8.6	-9.2				-8.9											
1030	-9.0	-9.4				-9.2											
1100	-9.3	-8.9				-9.1											
1130	-9.0	-8.8				-8.9											
1200	-9.1	-9.1				-9.1											
1230	-9.0	-9.2				-9.1											
1300	-9.1	-9.1				-9.1											
1330	-9.1	-8.9				-9.0											
1400	-9.3	-8.9				-9.1											
1430	-9.1	-8.8				-9.0											
1500	-8.6	-8.5				-8.6											
1530	-8.6	-8.5				-8.6											
1600	—	—				—											
1630	—	—				—											
1700	-8.4	-8.9				-8.6											
1730	-8.7	-9.0				-8.8											
1800	-8.9	-9.0				-9.0											
1830	-9.0	-9.1				-9.0											
1900	-8.7	-9.0				-8.8											
1930	-9.2	-9.2				-9.2											
2000	-9.4	-9.2				-9.3											
2030	-9.0	-8.8				-8.9											
2100	-9.1	-9.3				-9.2											
2130	-9.4	-9.4				-9.4											
2200	-9.4	-9.3				-9.4											
2230	-9.4	-9.4				-9.4											
2300	-9.4	-8.8				-9.1											
2330	-9.4	-9.0				-9.2											325.33 + 0
2400	-9.3	-9.3				-9.3											0.9350
	-9.3	-9.3															

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date JUNE 14, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 25 _____ From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-5.66 (51)

319.27

	L1 AH	L2	L3 AH	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-6.5		-6.3			-6.4											
0100	-6.9		-6.6			-6.5											
0130	-6.6		-6.4			-6.5											
0200	-6.9		-6.6			-6.8											
0230	-6.7		-6.9			-6.8											
0300	-6.8		-6.5			-6.6											
0330	-6.4		-6.1			-6.2											
0400	-6.1		-6.1			-6.1											
0430	-5.9		-6.0			-6.0											
0500	-5.5		-6.0			-5.8											
0530	-5.5		-5.9			-5.7											
0600	-5.8		-5.8			-5.8											
0630	-5.8		-5.0			-5.4											
0700	-3.4		-1.6			-2.5											
0730	0.6		0.0			0.3											
0800	1.5		1.8			1.6											
0830	1.9		0.3			1.1											
0900	-5.2		-6.3			-5.8											
0930	-5.8		-6.6			-6.2											
1000	-7.5		-7.5			-7.5											
1030	-7.5		-7.4			-7.4											
1100	-7.5		-7.5			-7.5											
1130	-7.7		-8.1			-7.9											
1200	-7.7		-8.3			-8.0											
1230	-8.4		-8.2			-8.3											
1300	-8.4		—			-8.4											INK RAN OUT
1330																	
1400																	
1430																	
1500																	
1530																	
1600																	
1630																	
1700																	
1730																	
1800																	
1830																	
1900																	
1930																	
2000																	
2030																	
2100																	
2130																	
2200																	
2230																	
2300																	
2330																	325.33 + 0
2400																	0.9350

HN

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date JUNE 12, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 25 _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-7.78 (96)

317.07

	AH	AH	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
	~~-7.8~~	~~-8.7~~													
0030	-8.8	-8.8		-8.8											
0100	-8.8	-8.7		-8.8											
0130	-9.0	-9.0		-9.0											
0200	-8.9	-8.8		-8.8											
0230	-8.8	-8.7		-8.8											
0300	-8.7	-8.5		-8.6											
0330	-8.5	-8.6		-8.6											
0400	-8.6	-8.5		-8.6											
0430	-8.5	-8.4		-8.4											
0500	-8.5	-8.3		-8.4											
0530	-8.0	-8.2		-8.1											
0600	-7.4	-8.2		-7.8											
0630	-7.2	-6.7		-7.0											
0700	-4.8	-6.1		-5.4											
0730	-7.1	-6.1		-6.6											
0800	-6.2	-6.2		-6.2											
0830	-6.3	-6.1		-6.2											
0900	-6.4	-6.4		-6.4											
0930	-6.6	-6.9		-6.8											
1000	-6.9	-7.2		-7.0											
1030	-8.1	-7.2		-7.6											
1100	-7.8	-8.0		-7.9											
1130	-7.5	-7.7		-7.6											
1200	-7.3	-8.0		-7.6											
1230	-7.7	-8.4		-8.0											
1300	-7.8	-7.8		-7.8											
1330	-7.8	-7.6		-7.7											
1400	-7.5	-7.8		-7.6											
1430	-7.6	-7.7		-7.6											
1500	-7.7	-7.8		-7.8											
1530	-8.0	-8.1		-8.0											
1600	-7.8	-8.1		-8.0											
1630	-8.2	-8.3		-8.2											
1700	-8.5	-8.3		-8.4											
1730	-8.3	-8.5		-8.4											
1800	-8.2	-8.5		-8.4											
1830	-8.5	-8.4		-8.4											
1900	-8.3	-7.8		-8.0											
1930	-7.9	-7.8		-7.8											
2000	-8.1	-7.7		-7.9											
2030	-7.8	-7.9		-7.8											
2100	-7.9	-7.6		-7.8											
2130	-7.6	-7.7		-7.6											
2200	-7.4	-7.9		-7.6											
2230	-7.8	-7.2		-7.5											
2300	-7.3	-7.3		-7.3											
2330	-7.8	-7.5		-7.6											325.33 + 0
2400	-7.7	-7.1		-7.4											0.9350
	-7.2	-7.5													

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date JUNE 12, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 25 _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-8.16 (92)

816.60

	AH L1	AH L2	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-7.8	-7.9		-7.8											
0100	-7.9	-8.0		-8.0											
0130	-7.8	-8.3		-8.0											
0200	-8.3	-8.3		-8.3											
0230	-7.9	-8.0		-8.0											
0300	-6.9	-8.0		-7.4											
0330	-8.3	-8.6		-8.4											
0400	-8.6	-8.3		-8.4											
0430	-7.4	-8.4		-7.9											
0500	-8.2	-8.0		-8.1											
0530	-4.4	-4.2		-4.3											
0600	-3.9	-3.8		-3.8											
0630	-4.8	-7.2		-6.0											
0700	-7.1	-7.2		-7.2											
0730	-6.9	-7.2		-7.0											
0800	-7.3	-7.1		-7.2											
0830	-7.0	-7.2		-7.1											
0900	-7.0	-7.3		-7.2											
0930	-7.3	-8.1		-7.7											
1000	-7.7	-8.2		-8.0											
1030	-8.5	-8.2		-8.4											
1100	-8.1	-8.2		-8.2											
1130	-8.3	-8.5		-8.4											
1200	-8.4	-8.7		-8.6											
1230	-8.1	-8.3		-8.2											
1300	-8.2	-8.2		-8.2											
1330	-7.7	-7.2		-7.4											
1400	-7.6	-7.8		-7.7											
1430	-8.5	-8.8		-8.6											
1500	-8.9	—		-8.9											DEFROST FREEZER
1530	—	—		-											
1600	—	-9.0		-9.0											
1630	-9.2	-9.2		-9.2											
1700	-8.9	-9.0		-9.0											
1730	-9.0	-8.9		-9.0											
1800	-9.1	-9.4		-9.2											
1830	-9.2	-9.3		-9.2											
1900	-9.6	-9.2		-9.4											
1930	-9.1	-9.2		-9.2											
2000	-9.3	-9.2		-9.2											
2030	-9.2	-9.3		-9.2											
2100	-9.2	-9.2		-9.2											
2130	-9.5	-9.5		-9.5											
2200	-9.2	-8.3		-8.8											
2230	-9.1	-8.6		-8.8											
2300	-8.8	-9.1		-9.0											
2330	-9.2	-8.9		-9.0											325.33 + 0
2400	-9.1	-8.8		-9.0											0.9350
HN	9.2	-9.0													

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date JUNE 11, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 25 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-7.56 (91)

317.24

	AH -6.6	AH -6.9	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-7.2	-7.5		-7.4											
0100	-7.2	-7.4		-7.3											
0130	-6.6	-7.4		-7.0											
0200	-7.7	-7.8		-7.8											
0230	-7.6	-7.8		-7.7											
0300	-7.1	-7.5		-7.3											
0330	-7.4	-7.6		-7.5											
0400	-6.8	-6.8		-6.8											
0430	-6.6	-7.1		-6.8											
0500	-6.7	—		-6.7											
0530	-6.2	-6.1		-6.2											
0600	-6.1	-6.6		-6.4											
0630	-5.8	—		-5.8											
0700	—	-5.7		-5.7											
0730	-5.3	-5.3		-5.3											
0800	—	-5.2		-5.2											
0830	-4.9	-4.9		-4.9											
0900	-6.1	-6.2		-6.2											
0930	-5.9	-6.6		-6.2											
1000	-6.2	-7.1		-6.6											
1030	-6.1	-7.2		-6.6											
1100	-7.0	-7.8		-7.4											
1130	-7.6	-7.8		-7.7											
1200	-7.9	-7.8		-7.8											
1230	-8.2	-8.5		-8.4											
1300	-8.2	-8.4		-8.3											
1330	-8.5	-8.6		-8.6											
1400	-8.5	-8.5		-8.5											
1430	-8.6	-8.3		-8.4											
1500	-8.7	-8.9		-8.8											
1530	-8.8	-8.7		-8.8											
1600	-8.6	-8.5		-8.6											
1630	-8.8	-8.5		-8.6											
1700	-8.4	-8.6		-8.5											
1730	-8.7	-8.9		-8.8											
1800	-9.1	-8.9		-9.0											
1830	-9.1	-9.0		-9.0											
1900	-9.1	-9.1		-9.1											
1930	-8.9	-9.2		-9.0											
2000	-9.0	-8.7		-8.8											
2030	-9.0	-8.7		-8.8											
2100	-9.0	-9.0		-9.0											
2130	-9.0	—		-9.0											
2200	-8.2	-6.8		-7.5											
2230	-8.0	-7.3		~~-7.8~~ (-7.6)											
2300	-8.0	-7.4		-7.7											
2330	-7.4	-6.9		-7.2											
2400	-7.0	-6.3		-6.6											
	-7.3	-7.8													

325.33 + 5
0.935 0

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date JUNE 10, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 25 _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-8.22 (95)

816.53

	AH L1	AH L2	AH L3	AH L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-6.2		-5.5			-5.8											
0100	-5.0		-7.6			-6.3											
0130	-8.0		-8.5			-8.2											
0200	-8.6		-8.5			-8.6											
0230	-8.5		-8.5			-8.5											
0300	-8.3		-8.8			-8.6											
0330	-8.8		-8.9			-8.8											
0400	-8.7		-8.6			-8.6											
0430	-8.8		-8.2			-8.5											
0500	-7.7		-8.2			-8.0											
0530	-7.8		-8.2			-8.0											
0600	-6.7		-7.7			-7.2											
0630	-6.8		-7.5			-7.2											
0700	-7.0		-6.7			-6.8											
0730	-5.8		-6.1			-6.0											
0800	-6.0		-5.9			-6.0											
0830	-6.0		-6.0			-6.0											
0900	-6.0		-6.9			-6.4											
0930	-7.3		-8.0			-7.6											
1000	-8.1		-8.4			-8.2											
1030	-8.7		-9.0			-8.8											
1100	-8.9		-9.5			-9.2											
1130	-9.2		-8.8			-9.0											
1200	-9.2		-9.6			-9.4											
1230	-8.5		-9.0			-8.8											
1300	-9.1		-8.6			-8.8											
1330	-9.0		-9.2			-9.1											
1400	-9.0		-8.5			-8.8											
1430	-8.9		-8.9			-8.9											
1500	-9.0		-9.2			-9.1											
1530	—		-8.9			-8.9											
1600	-8.8		-8.4			-8.6											
1630	-8.4		-8.7			-8.6											
1700	-8.5		-8.6			-8.6											
1730	-8.4		-8.9			-8.6											
1800	-8.7		-9.1			-8.9											
1830	-8.8		-9.2			-9.0											
1900	-8.7		-8.5			-8.6											
1930	-8.6		-8.3			-8.4											
2000	-8.5		-8.5			-8.5											
2030	-9.0		-8.2			-8.6											
2100	-9.0		-8.6			-8.8											
2130	-7.6		-7.6			-7.6											
2200	-8.5		-8.0			-8.2											
2230	-7.4		-7.3			-7.4											
2300	-6.8		-6.8			-6.8											
2330	-7.7		-6.7			-7.2											325.33 + 15
2400	-7.2		-7.0			-7.1											0.9350
	-7.1		-6.7														

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ S10 PIER

Span _____ Zero _____ Freezer Temp. _____ Date JUNE 9, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 25 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-8.21 (95)

316.48

	AH ~~L1~~	AH ~~L2~~	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-7.6	-7.6		-7.6											
0100	-8.4	-8.2		-8.3											
0130	-8.2	-8.5		-8.4											
0200	-8.4	-8.1		-8.2											
0230	-8.6	-8.5		-8.6											
0300	-8.2	-8.2		-8.2											
0330	-8.8	-8.5		-8.6											
0400	-8.5	-8.3		-8.4											
0430	-7.7	-7.6		-7.6											
0500	—	-7.2		-7.2											
0530	-6.3	-7.6		-7.0											
0600	-7.1	-6.8		-7.0											
0630	-7.4	-6.8		-7.1											
0700	-6.8	-6.5		-6.6											
0730	-6.6	-7.4		-7.0											
0800	-6.6	-6.8		-6.7											
0830	-7.9	-8.5		-8.2											
0900	-8.4	-8.6		-8.5											
0930	-8.6	-8.8		-8.7											
1000	-8.0	-8.6		-8.3											
1030	-8.4	-9.0		-8.7											
1100	-8.9	-8.9		-8.9											
1130	-8.7	-8.5		-8.6											
1200	-8.5	-8.4		-8.4											
1230	-8.4	-8.5		-8.4											
1300	-8.0	-8.5		-8.2											
1330	-8.6	-8.7		-8.6											
1400	-8.7	-8.9		-8.8											
1430	-8.7	-8.6		-8.6											
1500	-8.6	-8.5		-8.6											
1530	-8.8	-9.1		-9.0											
1600	-9.0	-8.7		-8.8											
1630	-8.9	-8.9		-8.9											
1700	-9.3	-8.9		-9.1											
1730	-8.8	-9.6		-9.2											
1800	-9.2	-8.8		-9.0											
1830	-9.1	-9.5		-9.3											
1900	-9.3	-8.9		-9.1											
1930	-9.4	-8.9		-9.2											
2000	-9.2	-8.8		-9.0											
2030	-8.9	-8.8		-8.8											
2100	-7.8	-7.5		-7.6											
2130	-7.0	-7.7		-7.4											
2200	-8.7	-9.0		-8.8											
2230	-8.2	-8.5		-8.4											
2300	-8.5	-8.0		-8.2											
2330	-8.1	-8.1		-8.1											325.33 + σ
2400	-7.0	-6.8		-6.9											0.9350
	-7.3	-7.4													

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date JUNE 8, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 25 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-7.65 (90)

317.14

	AH L1	AH L2	AH L3	AH L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-5.8		-8.1			-7.0											
0100	-9.8		-3.9			-9.4											
0130	-3.1		-5.9			-4.2											
0200	-2.5		-2.3			-2.4											
0230	-2.3		-3.6			-3.0											
0300	-9.9		-6.0			-7.5											
0330	-6.1		-6.5			-6.3											
0400	-7.1		-7.9			-7.2											
0430	-7.5		-7.8			-7.6											
0500	-5.6		-7.9			-6.8											
0530	-8.0		-7.4			-7.7											
0600	-8.2		-8.0			-8.1											
0630	-8.2		-7.5			-7.8											
0700	-7.9		-7.7			-7.6											
0730	-6.9		-7.1			-7.0											
0800	-6.5		-8.1			-7.3											
0830	-8.4		-9.1			-8.8											
0900	-9.1		-8.7			-8.9											
0930	-8.9		-9.2			-9.0											
1000	-8.9		-8.7			-8.8											
1030	-8.9		-8.6			-8.8											
1100	-8.6		-9.1			-8.8											
1130	-9.0		-8.8			-8.9											
1200	-8.8		-9.1			-9.0											
1230	-8.9		-9.4			-9.2											
1300	-9.4		-9.2			-9.3											
1330	-9.2		-9.2			-9.2											
1400	-9.0		-9.2			-9.1											
1430	-8.9		-8.8			-8.8											
1500	-8.8		—			-8.8											DEFROST FREEZER
1530																	
1600																	
1630																	
1700	-8.7		-8.6			-8.6											
1730	-8.8		-8.6			-8.7											
1800	-8.7		-8.6			-8.6											
1830	-8.8		-8.6			-8.7											
1900	-8.8		-8.4			-8.6											
1930	-8.5		-8.6			-8.6											
2000	-8.5		-8.4			-8.4											
2030	-8.3		-8.3			-8.3											
2100	-8.4		-8.3			-8.4											
2130	-8.5		-7.0			-7.8											
2200	-7.4		-6.1			-6.8											
2230	-6.5		-5.8			-6.2											
2300	-6.0		-4.8			-5.4											
2330	-5.8		-6.5			-6.2											325.33 + 0
2400	-7.3		-8.0			-7.6											0.9350
	-7.7		-8.1														

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date JUNE 7, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 25 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-8.52 (96)

316.21

	AH ~~L1~~	AH ~~L2~~	~~L3~~	~~L4~~	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-8.5	-8.6				-8.6											
0100	-8.1	-8.3				-8.2											
0130	-8.6	-8.8				-8.7											
0200	-9.0	-8.9				-9.0											
0230	-8.8	-8.6				-8.7											
0300	-8.7	-8.4				-8.6											
0330	-8.6	-8.9				-8.8											
0400	-9.1	-9.4				-9.2	✓										
0430	-8.4	-8.2				-8.3											
0500	-8.7	-8.5				-8.6											
0530	-8.1	-8.2				-8.2											
0600	-8.4	-8.4				-8.4											
0630	-8.5	-8.9				-8.7											
0700	-8.1	-7.6				-7.8											
0730	-8.8	-8.6				-8.7											
0800	-9.3	-9.0				-9.2	✓										
0830	-9.4	-8.8				-9.1											
0900	-9.3	-9.1				-9.2	✓										
0930	-9.1	-9.1				-9.1											
1000	-9.0	-9.1				-9.0											
1030	-9.0	-9.3				-9.2	✓										
1100	-8.9	-9.2				-9.0											
1130	-8.6	-8.9				-8.8											
1200	-8.9	-9.0				-9.0											
1230	-9.0	-9.2				-9.1											
1300	-9.0	-9.1				-9.0											
1330	-8.8	-9.2				-9.0											
1400	-9.1	-9.0				-9.0											
1430	-9.1	-9.1				-9.1											
1500	-9.0	-9.2				-9.1											
1530	-9.1	-9.0				-9.0											
1600	-8.7	-9.1				-8.9											
1630	-9.3	-9.2				-9.2	✓										
1700	-9.0	-8.9				-9.0											
1730	-9.0	-9.0				-9.0											
1800	-9.2	-9.0				-9.1											
1830	-8.9	-9.0				-9.0											
1900	-9.1	-8.9				-9.0											
1930	-8.8	-8.9				-8.8											
2000	-9.0	-8.8				-8.9											
2030	-7.3	-6.4				-6.8											
2100	-6.6	-5.8				-6.2											
2130	-6.2	-6.0				-6.1											
2200	-6.4	-7.1				-6.8											
2230	-7.4	-6.5				-7.0											
2300	-7.0	-7.1				-7.0											
2330	-5.9	-6.2				-6.0											325.33 + σ
2400	-9.3	-8.5				-8.9											0.9350
	-9.6	-8.3															

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date JUNE 6, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 25 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-8.84 (96)

315.87

	AH L1	AH L2	AH L3	AH L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-7.7		-7.8			-7.8											
0100	-8.1		-7.4			-7.8											
0130	-7.7		-6.8			-7.2											
0200	-7.2		-7.1			-7.2											
0230	-7.1		-6.8			-7.0											
0300	-6.7		-7.0			-6.8											
0330	-7.8		-9.2			-8.5											
0400	-8.8		-9.0			-8.9											
0430	-9.0		-9.1			-9.0											
0500	-9.0		-8.4			-8.7											
0530	-8.3		-8.1			-8.2											
0600	-7.2		-7.7			-7.4											
0630	-8.8		-8.9			-8.8											
0700	-8.8		-8.5			-8.6											
0730	-8.7		-8.7			-8.7											
0800	-8.6		-8.0			-8.3											
0830	-8.7		-8.3			-8.5											
0900	-9.2		-8.6			-8.9											
0930	-9.4		-9.4			-9.4											
1000	-8.8		-9.3			-9.0											
1030	-9.4		-8.9			-9.2											
1100	-9.2		-9.2			-9.2											
1130	-9.4		-9.2			-9.3											
1200	-9.3		-9.2			-9.2											
1230	-9.5		-9.5			-9.5											
1300	-9.2		-9.7			-9.4											
1330	-9.2		-9.2			-9.2											
1400	-9.2		-9.3			-9.2											
1430	-9.0		-9.3			-9.2											
1500	-9.3		-9.6			-9.4											
1530	-9.0		-9.5			-9.2											
1600	-9.4		-9.1			-9.2											
1630	-9.2		-8.9			-9.0											
1700	-8.8		-9.5			-9.2											
1730	-9.5		-9.0			-9.2											
1800	-9.7		-9.3			-9.5											
1830	-9.4		-9.5			-9.4											
1900	-9.1		-9.4			-9.2											
1930	-9.4		-9.1			-9.2											
2000	-9.4		-9.3			-9.4											
2030	-9.4		-9.3			-9.4											
2100	-9.2		-9.3			-9.2											
2130	-9.6		-9.1			-9.4											
2200	-9.2		-9.2			-9.2											
2230	-9.3		-9.7			-9.5											
2300	-9.1		-9.6			-9.4											
2330	-9.3		-9.2			-9.2											325.53 + 0
2400	-9.6		-8.4			-9.0											0.9350
	-9.3		-8.7														

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date JUNE 5, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 25 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-8.11 (68)

316.65

	AH L1	AH L2	AH L3	AH L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-7.0		-6.4			-6.7											
0100	-5.5		-5.6			-5.6											
0130	-4.9		-5.1			-5.0											
0200	-5.2		-4.9			-5.0											
0230	-6.0		-6.4			-6.2											
0300	-6.7		-7.3			-7.0											
0330	-7.9		-8.1			-8.0											
0400	-8.0		-8.0			-8.0											
0430	-8.4		-7.8			-8.1											
0500	-8.4		-8.6			-8.5											
0530	-8.6		-8.5			-8.6											
0600	-8.7		-8.4			-8.6											
0630	-8.8		-8.0			-8.4											
0700	-8.1		-8.0			-8.0											
0730	-8.0		-8.2			-8.1											
0800	-8.0		—			-8.0											SHUT DOWN FOR REF. GAS TEST
0830																	
0900																	
0930																	
1000																	
1030																	
1100																	
1130																	
1200																	
1230																	
1300																	
1330																	
1400																	
1430																	
1500	—		-9.1			-9.1											
1530	-9.1		-9.1			-9.1											
1600	-9.2		-9.1			-9.2											
1630	-8.9		-9.2			-9.0											
1700	-9.6		-8.9			-9.2											
1730	-9.1		-8.9			-9.0											
1800	-9.2		-8.6			-8.9											
1830	-9.1		-8.8			-9.0											
1900	-9.2		-9.0			-9.1											
1930	-9.3		-9.0			-9.2											
2000	-9.1		-8.9			-9.0											
2030	-8.9		-8.9			-8.9											
2100	-8.7		-8.8			-8.8											
2130	-8.8		-9.1			-9.0											
2200	-9.2		-8.2			-8.7											
2230	-8.0		-8.4			-8.2											
2300	-8.1		-7.[illegible]			-7.6											
2330	-7.2		-7.3			-7.2											325.33 + 0
2400	-8.1		-7.5			-7.8											0.9350
	-6.3		-5.8														

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ S10 PIER

Span _____ Zero _____ Freezer Temp. _____ Date JUNE 9, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 25 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-9.24 (91)

315.44

	AH L1	AH L2	AH L3	AH L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-9.6		-9.1			-9.4											
0100	-8.8		-9.3			-9.0											
0130	-9.4		-9.7			-9.6											
0200	-9.3		-9.0			-9.2											
0230	-8.9		-9.4			-9.2											
0300	-8.9		-9.5			-9.2											
0330	-9.4		-9.7			-9.6											
0400	-9.4		-9.5			-9.4											
0430	-9.2		-9.2			-9.2											
0500	-8.8		-9.2			-9.0											
0530	-9.2		-9.2			-9.2											
0600	-9.3		-9.3			-9.3											
0630	-9.2		-9.4			-9.3											
0700	-9.0		-8.6			-8.8											
0730	-9.2		-8.9			-9.0											
0800	-9.3		-9.5			-9.4											
0830	-9.3		-9.2			-9.2											
0900	-9.2		-9.3			-9.2											
0930	-9.2		-9.5			-9.4											
1000	-9.2		-9.2			-9.2											
1030	-9.2		-9.2			-9.2											
1100	-9.1		-9.5			-9.3											
1130	-9.5		-9.3			-9.4											
1200	-8.8		-8.8			-8.8											
1230	-8.9		-9.0			-9.0											
1300	-9.2		-9.2			-9.2											
1330	-9.5		-9.0			-9.2											
1400	-9.1		-9.3			-9.2											
1430	-9.6		-9.3			-9.4											
1500	-9.4		—			-9.4											DEFROST FREEZER
1530																	
1600																	
1630	—		-10.1			-10.1											
1700	-9.9		-9.9			-9.9											
1730	-9.8		-10.0			-9.9											
1800	-9.8		-9.7			-9.8											
1830	-9.5		-9.8			-9.6											
1900	-10.0		-10.1			-10.0											
1930	-9.8		-9.7			-9.8											
2000	-9.6		-9.3			-9.4											
2030	-9.8		-8.2			-9.0											
2100	-7.8		-7.0			-7.4											
2130	-9.6		-9.3			-9.4											
2200	-9.4		-8.8			-9.1											
2230	-9.1		-8.8			-9.0											
2300	-9.0		-8.9			-9.0											
2330	-9.0		-8.9			-8.9											325.33 + 0
2400	-8.2		-7.7			-8.0											0.9350
	-7.3		-7.3														

CARBON DIOXIDE DATA

SIO PIER
~~MAUNA LOA OBSERVATORY, HAWAII~~

Span _____ Zero _____ Freezer Temp. _____ Date JUNE 3, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 25 _____ From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-9.34 (96)

315.34

	AH #1	AH #2	AH #3	AH #4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-9.9		-9.4			-9.6											
0100	-9.5		-9.4			-9.4											
0130	-10.2		-10.0			-10.1											
0200	-9.3		-9.0			-9.2											
0230	-8.0		-7.4			-7.7											
0300	-8.3		-7.6			-8.0											
0330	-7.2		-5.7			-6.4											
0400	-6.8		-6.2			-6.5											
0430	-9.2		-9.1			-9.2											
0500	-9.0		-9.5			-9.2											
0530	-9.5		-9.8			-9.6											
0600	-9.7		-10.0			-9.8											
0630	-9.4		-9.3			-9.4											
0700	-10.0		-10.0			-10.0											
0730	-9.7		-10.0			-9.8											
0800	-10.0		-10.0			-10.0											
0830	-10.5		-10.2			-10.4											
0900	-10.0		-10.0			-10.0											
0930	-9.9		-10.6			-10.2											
1000	-10.4		-10.1			-10.2											
1030	-9.8		-9.8			-9.8											
1100	-10.4		-9.7			-10.0											
1130	-9.7		-10.3			-10.0											
1200	-10.3		-10.2			-10.2											
1230	-10.5		-10.5			-10.5											
1300	-10.0		-10.2			-10.1											
1330	-9.8		-10.1			-10.0											
1400	-9.9		-9.7			-9.8											
1430	-9.9		-9.8			-9.8											
1500	-9.8		-9.9			-9.8											
1530	-10.0		-10.4			-10.2											
1600	-9.8		-9.7			-9.8											
1630	-10.1		-9.6			-9.8											
1700	-10.0		-10.0			-10.0											
1730	-10.2		-10.3			-10.2											
1800	-10.3		-9.9			-10.1											
1830	-10.2		-10.0			-10.1											
1900	-10.1		-10.1			-10.1											
1930	-10.0		-8.7			-9.4											
2000	-8.8		-9.5			-9.2											
2030	-9.4		-9.5			-9.4											
2100	-9.4		-9.5			-9.4											
2130	-9.2		-9.7			-9.4											
2200	-9.4		-9.6			-9.5											
2230	-9.6		-9.4			-9.5											
2300	-9.5		-9.6			-9.6											
2330	-9.3		-9.6			-9.4											325.33 ± 0
2400	-8.7		-8.8			-8.8											0.9350
	-9.2		-9.3														

CARBON DIOXIDE DATA

SIO PIER

~~MAUNA LOA OBSERVATORY, HAWAII~~

Span _____ Zero _____ Freezer Temp. _____ Date JUNE 2, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 + 25 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-8.05 (21)
-9.71 (66)

	AA L1	AA L2	AH L1	AH L2	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	—		-9.7			-9.7											317.16 (21)
0100	-9.2		-8.9			-9.0											
0130	-8.3		-9.8			-9.0											314.94 (66)
0200	-9.3		-9.0			-9.2											
0230	-8.8		-9.4			-9.1											
0300	-9.3		-9.2			-9.2											
0330	-8.7		-8.8			-8.8											315.48
0400	-7.3		-7.5			-7.4											
0430	-6.5		-6.7			-6.6	26										
0500	-5.3		-5.3			-5.3											
0530	-5.1		-5.5			-5.3											
0600																	PAPER RAN OUT
0630																	
0700	—		-7.8			-7.8											Change Ref. Gas to 25
0730	-7.7		-7.7			-7.7											
0800	-7.4		-7.2			-7.3	25										
0830	-6.3		-7.3			-6.8											
0900	-6.3		-6.4			-6.4											
0930	-7.1		-7.9			-7.5											
1000	-8.9		-9.3			-9.1											
1030	-9.6		-9.3			-9.4											
1100	-9.7		-9.3			-9.5											
1130	—		-9.8			-9.8											
1200	-10.3		-10.0			-10.2											
1230	-10.7		-10.2			-10.4											
1300	-10.5		-10.7			-10.6											
1330	-10.7		-9.9			-10.3											
1400	-10.3		-10.2			-10.2											
1430	-10.3		-10.0			-10.2											
1500	-10.5		-10.0			-10.2											
1530	-10.2		-10.5			-10.4											
1600	-10.4		-10.5			-10.4											
1630	-10.4		-10.6			-10.5											
1700	-10.6		-10.6			-10.6											
1730	-10.7		-10.8			-10.8	✓										
1800	-10.7		-10.5			-10.6											
1830	-10.3		-10.7			-10.5											
1900	-10.8		-10.5			-10.6											
1930	-10.8		-10.5			-10.6											
2000	-10.9		-10.6			-10.8	✓										
2030	-10.9		-10.7			-10.8	✓										
2100	-10.7		-10.5			-10.6											
2130	-10.7		-10.8			-10.8	✓										
2200	-10.9		-10.6			-10.8	✓										
2230	-8.1		-9.5			-8.8											26 325.38 + 0 / 0.9794
2300	-10.7		—			-10.7											
2330	—		-8.9			-8.9											25 325.33 + 0 / 0.9350
2400	-9.6		-8.7			-9.2											
			-8.6														

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date JUNE 1, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 _____ From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-8.79 (90)

316.41

	AH L1	AH L2	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-10.2	-9.9		-10.0											
0100	-10.1	-10.0		-10.0											
0130	-5.2	-6.4		-5.8											
0200	-6.8	-7.2		-7.0											
0230	-6.9	-8.2		-7.6											
0300	-8.3	-9.7		-9.0											
0330	-9.6	-9.3		-9.4											
0400	-9.5	-9.9		-9.7											
0430	-9.7	-5.0		-4.8											
0500	-5.3	-6.8		-6.0											
0530	-7.9	-9.5		-8.7											
0600	-7.6	-7.6		-7.6											
0630	-7.3	-8.0		-7.6											
0700															DEFROST FREEZER
0730															
0800															
0830	-8.1	-8.1		-8.1											
0900	-7.8	-7.7		-7.8											
0930	-7.2	-7.2		-7.2											
1000	-6.7	-7.0		-6.8											
1030	-7.6	-8.1		-7.8											
1100	-7.7	-7.5		-7.6											
1130	-6.7	-7.3		-7.0											
1200	-7.4	-7.5		-7.4											
1230	-9.3	-9.4		-9.4											
1300	-9.4	-9.5		-9.4											
1330	-9.4	-9.4		-9.4											
1400	-9.4	-9.6		-9.5											
1430	-9.2	-9.2		-9.2											
1500	-9.1	-9.4		-9.2											
1530	-9.2	-8.8		-9.0											
1600	-9.2	-8.5		-8.8											
1630	-9.1	-9.1		-9.1											
1700	-9.7	-9.3		-9.5											
1730	-9.5	-9.0		-9.2											
1800	-9.8	-10.1		-10.0											
1830	-10.2	-9.8		-10.0											
1900	-9.9	-10.0		-10.0											
1930	-10.1	-9.9		-10.0											
2000	-9.6	-10.1		-9.8											
2030	-9.8	-10.1		-10.0											
2100	-9.7	-10.0		-9.8											
2130	-9.8	-9.8		-9.8											
2200	-9.5	-10.0		-9.8											
2230	-10.0	-10.0		-10.0											
2300	-9.5	-9.8		-9.6											
2330	-9.7	-10.0		-9.8											325.38 + 5
2400	-9.9	-10.2		-10.2											0.9794

HN

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date MAY 31, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-9.16 (96)

316.03

	AH L1	L2	AH L3	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-8.7		-8.6			-8.6											
0100	-8.4		-8.5			-8.4											
0130	-8.9		-8.8			-8.8											
0200	-8.5		-8.2			-8.4											
0230	-8.2		-8.3			-8.2											
0300	-8.3		-8.2			-8.2											
0330	-8.4		-8.2			-8.3											
0400	-8.1		-8.3			-8.2											
0430	-9.3		-9.2			-9.2											
0500	-7.8		-8.2			-8.0											
0530	-8.3		-8.4			-8.4											
0600	-9.0		-8.6			-8.8											
0630	-7.8		-8.4			-8.1											
0700	-8.8		-8.7			-8.8											
0730	-8.0		-9.1			-8.6											
0800	-9.0		-8.5			-9.8											
0830	-8.5		-8.3			-8.4											
0900	-8.6		-8.3			-8.4											
0930	-8.8		-8.8			-8.8											
1000	-9.1		-9.5			-9.3											
1030	-9.0		-9.2			-9.1											
1100	-8.8		-9.2			-9.0											
1130	-9.0		-8.9			-9.0											
1200	-9.0		-9.1			-9.0											
1230	-8.8		-9.2			-9.0											
1300	-9.2		-9.3			-9.2											
1330	-9.0		-9.2			-9.1											
1400	-9.2		-9.5			-9.4											
1430	-9.7		-9.2			-9.4											
1500	-9.4		-9.3			-9.4											
1530	-9.8		-9.8			-9.8											
1600	-9.6		-9.3			-9.4											
1630	-9.5		-10.0			-9.8											
1700	-9.5		-9.8			-9.6											
1730	-9.5		-9.7			-9.6											
1800	-9.8		-9.8			-9.8											
1830	-10.0		-9.7			-9.8											
1900	-9.8		-9.8			-9.8											
1930	-10.0		-9.8			-9.9											
2000	-10.2		-10.1			-10.2											
2030	-9.9		-10.0			-10.0											
2100	-10.0		-9.9			-10.0											
2130	-9.8		-9.5			-9.6											
2200	-9.7		-9.8			-9.8											
2230	-9.9		-10.0			-10.0											
2300	-9.9		-9.8			-9.8											
2330	-10.3		-9.8			-10.0											325.38 + 5
2400	-9.8		-9.5			-9.6											0.9794
	-10.0		-10.2														

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ S10 PIER

Span _____ Zero _____ Freezer Temp. _____ Date MAY 30, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-8.66 (9.1)

13/6.53

	AH L1	AH L2	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-6.0	-6.2		-6.1											
0100	-7.2	-7.8		-7.5											
0130	-8.0	-8.1		-8.0											
0200	-7.7	-6.9		-7.3											
0230	-6.3	-6.9		-6.6											
0300	-7.4	-7.7		-7.6											
0330	-7.7	-7.8		-7.8											
0400	-7.7	-7.9		-7.8											
0430	-7.8	-8.1		-8.0											
0500	-8.4	-8.0		-8.2											
0530	-7.7	-8.5		-8.1											
0600	-8.3	-8.5		-8.4											
0630	-8.6	-8.4		-8.5											
0700	-8.5	-8.4		-8.4											
0730	-8.2	-8.7		-8.4											
0800	-8.5	-8.8		-8.6											
0830	-8.4	-9.4		-8.9											
0900	-8.9	-8.2		-8.6											
0930	-8.7	-8.4		-8.6											
1000	-8.4	-8.5		-8.4											
1030	-9.0	-9.2		-9.1											
1100	-9.2	-9.4		-9.3											
1130	-9.4	-9.3		-9.4											
1200	-9.0	-9.3		-9.2											
1230	-8.9	-9.2		-9.0											
1300	-9.2	—		-9.2											
1330	—	—		-											
1400	-9.6	-9.5		-9.6											
1430	-9.6	—		-9.6											
1500	-9.2	-9.2		-9.2											
1530	-8.8	—		-8.8											
1600	-8.8	-9.3		-9.0											
1630	-9.3	-9.4		-9.4											
1700	-9.2	-8.1		-8.6											
1730	-8.1	-9.3		-8.7											
1800	-9.4	-9.5		-9.4											
1830	-9.5	-9.3		-9.4											
1900	-9.0	-9.1		-9.0											
1930	-9.2	-9.3		-9.2											
2000	-9.3	-9.3		-9.3											
2030	-9.3	-9.3		-9.3											
2100	-9.4	-9.0		-9.2											
2130	-9.2	-9.2		-9.2											
2200	-8.9	-9.2		-9.0											
2230	-9.2	-9.1		-9.2											
2300	-9.2	-9.2		-9.2											
2330	-8.7	-9.1		-8.9											325.38 + $\frac{\sigma}{0.9794}$
2400	-9.0	-8.3		-8.6											
	-8.5	-8.9													

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ S10 PIER

Span _____ Zero _____ Freezer Temp. _____ Date MAY 29, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 _____ From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-7.16 (96)

31 8.07

	AH L1	AH L2	AH L1	AH L2	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-2.9		-3.3			-3.1											
0100	-3.5		-3.6			-3.6											
0130	-5.0		-5.2			-5.1											
0200	-5.6		-5.6			-5.6											
0230	-6.2		-6.3			-6.2											
0300	-5.7		-5.1			-5.4											
0330	-9.8		-9.2			-9.5											
0400	-5.1		-9.9			-5.0											
0430	-9.8		-9.9			-9.8											
0500	-5.9		-5.3			-5.6											
0530	-5.7		-6.3			-6.0											
0600	-6.2		-6.1			-6.2											
0630	-9.8		-6.8			-5.8											
0700	-7.2		-8.2			-7.7											
0730	-8.6		-8.0			-8.3											
0800	-9.0		-9.3			-9.2											
0830	-9.2		-9.6			-9.4											
0900	-9.3		-9.4			-9.9											
0930	-9.2		-9.3			-9.2											
1000	-9.3		-9.2			-9.2											
1030	-9.0		-9.0			-9.0											
1100	-9.2		-9.0			-9.1											
1130	-9.0		-9.0			-9.0											
1200	-9.2		-9.3			-9.2											
1230	-9.5		-9.0			-9.2											
1300	-8.9		-8.9			-8.9											
1330	-8.9		-8.9			-8.9											
1400	-9.3		-8.8			-9.0											
1430	-8.9		-9.1			-9.0											
1500	-8.8		-9.2			-9.0											
1530	-9.2		-8.9			-9.0											
1600	-9.0		-8.9			-9.0											
1630	-9.0		-9.0			-9.0											
1700	-8.8		-8.8			-8.8											
1730	-8.7		-9.0			-8.8											
1800	-8.8		-9.3			-9.0											
1830	-9.2		-8.9			-9.0											
1900	-8.9		-9.0			-9.0											
1930	-8.2		-7.3			-7.8											
2000	-6.7		-6.4			-6.6											
2030	-7.4		-7.0			-7.2											
2100	-7.5		-7.5			-7.5											
2130	-7.9		-5.9			-6.9											
2200	-5.8		-5.6			-5.7											
2230	-5.0		-5.4			-5.2											
2300	-5.9		-5.3			-5.6											
2330	-5.4		-9.8			-5.1											325.38 + 5
2400	-9.7		-9.8			-9.8											0.994

HN

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date MAY 28, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-7.46 (88)

317.76

	AH L1	L2	AH L3	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-8.0		-7.8			-7.9											
0100	-6.8		-7.1			-7.0											
0130	-4.7		-4.6			-4.6											
0200	-4.5		-4.3			-4.4											
0230	-4.1		-4.3			-4.2											
0300	-3.3		-4.2			-3.8											
0330	-5.2		-4.6			-4.9											
0400	-4.0		-4.2			-4.1											
0430	-5.4		-5.5			-5.4											
0500	-5.7		-7.9			-6.9											
0530	-6.1		-4.7			-5.4											
0600	-4.6		-5.0			-4.8											
0630	-5.1		-6.1			-5.6											
0700	-5.6		-5.3			-5.4											
0730																	DEFROST FREEZER
0800																	
0830																	
0900																	
0930	-9.1		-9.3			-9.2											
1000	-9.1		-9.5			-9.3											
1030	-9.5		-9.3			-9.4											
1100	-9.2		-9.4			-9.3											
1130	-9.3		-9.4			-9.4											
1200	-9.3		-9.4			-9.4											
1230	-9.1		-9.5			-9.3											
1300	-9.4		-9.6			-9.5											
1330	-9.2		-9.1			-9.2											
1400	-9.0		-9.1			-9.0											
1430	-9.2		-9.7			-9.4											
1500	-9.4		-9.4			-9.4											
1530	-9.5		-9.4			-9.4											
1600	-8.9		-9.3			-9.1											
1630	-9.1		-9.0			-9.0											
1700	-9.3		-9.3			-9.3											
1730	-8.9		-9.2			-9.0											
1800	-9.2		-9.2			-9.2											
1830	-9.3		-9.3			-9.3											
1900	-9.2		-8.7			-9.0											
1930	-8.7		-8.2			-8.4											
2000	-8.6		-8.4			-8.5											
2030	-7.0		-7.8			-7.4											
2100	-8.3		-8.6			-8.4											
2130	-8.3		-7.7			-8.0											
2200	-8.5		-8.0			-8.2											
2230	-8.6		-7.3			-8.0											
2300	-7.2		-6.6			-6.9											
2330	-5.8		-3.4			-4.6											
2400	-2.0		+1.0			-0.5											

HN

CARBON DIOXIDE DATA

SIO PIER
~~MAUNA LOA OBSERVATORY, HAWAII~~

Span _____ Zero _____ Freezer Temp. _____ Date MAY 27, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-9.45 (95)

315.73

	AH ~~L1~~	~~L2~~	AH ~~L3~~	~~L4~~	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-9.8		-9.7			-9.8											
0100	-9.8		-9.7			-9.8											
0130	-9.8		-9.9			-9.8											
0200	-10.2		-9.9			-10.0											
0230	-10.1		-9.8			-10.0											
0300	-10.2		-10.0			-10.1											
0330	-10.1		-10.3			-10.2											
0400	-10.1		-9.8			-10.0											
0430	-9.8		-10.1			-10.0											
0500	-10.1		-10.8			-10.4											
0530	-9.9		-10.1			-10.0											
0600	-9.3		-10.0			-9.6											
0630	-10.0		-10.0			-10.0											
0700	-10.5		-9.5			-10.0											
0730	-9.6		-10.0			-9.8											
0800	-9.8		-10.0			-9.9											
0830	-10.0		—			-10.0											
0900	-9.6		-9.5			-9.6											
0930	-9.5		-9.6			-9.6											
1000	-9.8		-9.9			-9.8											
1030	-10.0		-9.9			-10.0											
1100	-9.8		-9.7			-9.8											
1130	-9.8		-9.7			-9.8											
1200	-9.6		-9.4			-9.5											
1230	-9.4		-9.5			-9.4											
1300	-9.2		-9.3			-9.2											
1330	-9.5		-9.0			-9.2											
1400	-9.4		-9.3			-9.4											
1430	-9.2		-9.7			-9.4											
1500	-9.0		-9.5			-9.2											
1530	-9.4		-9.8			-9.6											
1600	-9.2		-9.8			-9.5											
1630	-9.9		-9.8			-9.8											
1700	-9.5		-9.3			-9.4											
1730	-9.3		-9.3			-9.3											
1800	-9.8		-9.3			-9.6											
1830	-9.6		-9.6			-9.6											
1900	-9.3		-9.1			-9.2											
1930	-9.2		-8.8			-9.0											
2000	-9.5		-9.4			-9.4											
2030	-9.4		-9.3			-9.4											
2100	-9.4		-9.2			-9.3											
2130	-9.6		-9.2			-9.4											
2200	-9.2		-7.9			-8.6											
2230	-8.0		-7.2			-7.6											
2300	-7.6		-7.1			-7.4											
2330	-6.9		-7.3			-7.1											325.38 + 5
2400	-7.2		-7.2			-7.2											09794
	-9.0		-7.7														

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ 10 PIER

Span _____ Zero _____ Freezer Temp. _____ Date MAY 26, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 _____ From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-10.46(92)

3/4.70

	AH ~~L1~~	~~L2~~	AH ~~L3~~	~~L4~~	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-11.2		-10.9			-11.0											
0100	-10.8		-10.7			-10.8											
0130	-10.9		-10.9			-10.9											
0200	-11.0		-10.6			-10.8											
0230	-10.9		-10.9			-10.9											
0300	-11.0		-10.9			-11.0											
0330	-10.9		-10.9			-10.9											
0400	-11.0		-10.7			-10.8											
0430	-10.9		-11.4			-11.2	✓										
0500	-10.9		-11.2			-11.0											
0530	-10.8		-11.5			-11.2	✓										
0600	-11.4		-10.9			-11.2	✓										
0630	-11.3		-11.1			-11.2	✓										
0700	-10.7		—			-10.7											
0730	—		—														
0800	-11.2		-10.5			-10.8											
0830	-11.0		-10.9			-11.0											
0900	-11.1		-10.8			-11.0											
0930	-10.8		-10.9			-10.8											
1000	-10.9		-10.7			-10.8											
1030	-10.7		-10.5			-10.6											
1100	-10.7		-11.5			-11.1											
1130	-10.9		-10.7			-10.8											
1200	-10.6		-10.6			-10.6											
1230	-10.3		-10.6			-10.4											
1300	-10.1		-10.5			-10.3											
1330	-10.2		-10.3			-10.2											
1400	-10.0		-10.1			-10.0											
1430	-10.1		-10.3			-10.2											
1500	-10.4		-10.5			-10.4											
1530	-10.0		-9.8			-9.9											
1600	-9.8		-10.0			-9.9											Flask Samples
1630	-10.1		-9.7			-9.9											
1700	-9.8		-9.7			-9.8											
1730	-9.7		-9.9			-9.8											
1800	-9.6		-9.8			-9.7											
1830	-10.3		-10.0			-10.2											
1900	-10.0		-10.0			-10.0											
1930	-10.1		-9.8			-10.0											
2000	-10.2		-10.2			-10.2											
2030	-10.2		-10.0			-10.1											
2100	-10.4		-10.0			-10.2											
2130	-10.4		-10.1			-10.2											
2200	-10.2		-9.6			-9.9											
2230	-9.4		-9.4			-9.4											
2300	-9.9		-10.1			-10.0											
2330	-10.0		-9.9			-10.0											325.38 + 5
2400	-9.9		—			-9.9											0.9794
	-10.0		-10.0														

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date MAY 25, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-10.65 (95)

314.51

	AH L1	AH L2	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-10.9	-10.8		-10.8											
0100	-10.6	-11.0		-10.8											
0130	-10.6	-10.9		-10.8											
0200	-10.7	-10.9		-10.8											
0230	-10.3	-10.5		-10.4											
0300	-10.0	-10.8		-10.4											
0330	-10.9	-10.3		-10.6											
0400	-10.3	-10.7		-10.5											
0430	-10.6	-10.3		-10.4											
0500	-10.3	-11.5		-10.9											
0530	-10.7	-10.6		-10.6											
0600	-10.8	-10.9		-10.8											
0630	-10.5	-10.9		-10.7											
0700	-10.5	-10.2		-10.4											
0730	-10.3	-10.3		-10.3											
0800	-10.5	-10.0		-10.2											
0830	-10.0	-10.5		-10.2											
0900	-10.7	-10.8		-10.8											
0930	-10.7	-10.3		-10.5											
1000	-10.0	-10.7		-10.4											
1030	-10.4	-10.5		-10.4											
1100	-10.7	-10.5		-10.6											
1130	-10.3	-10.4		-10.4											
1200	-10.3	-10.4		-10.4											
1230	-10.2	-10.3		-10.2											
1300	-10.4	-10.7		-10.6											
1330	-10.4	-10.3		-10.4											
1400	-10.3	-10.8		-10.6											
1430	-10.5	-10.5		-10.5											
1500	-10.5	-10.5		-10.5											
1530	-10.4	-10.6		-10.5											
1600	-10.2	-10.5		-10.4											
1630	-10.6	-10.7		-10.6											
1700	-10.6	-10.8		-10.7											
1730	-10.4	-10.5		-10.4											
1800	-10.8	-10.8		-10.8											
1830	-10.9	-10.7		-10.8											
1900	-11.1	-10.7		-10.9											
1930	-10.8	-10.7		-10.8											
2000	-11.3	-11.3		-11.3											
2030	-11.4	-11.2		-11.3											
2100	-11.2	-11.3		-11.2											
2130	-11.4	-11.2		-11.3											
2200	-11.2	-10.7		-11.0											
2230	-10.7	-11.3		-11.0											
2300	-10.9	-11.0		-11.0											
2330	-11.1	—		-11.1											325.38 + 5
2400	-11.2	-11.0		-11.1											0.9994
	-10.9	-10.9													

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date MAY 24, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-9.31 (96)
3/5.87

	AH	AH	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
	~~-8.4~~	~~-7.8~~													
0030	-8.8	-7.8		-8.3											
0100	-7.7	-8.5		-8.1											
0130	-8.4	-8.3		-8.4											
0200	-7.4	-7.6		-7.5											
0230	-7.7	-7.1		-7.4											
0300	-7.3	-7.7		-7.5											
0330	-7.3	-6.8		-7.0											
0400	-7.3	-7.0		-7.2											
0430	-5.7	-6.4		-6.0											
0500	-8.3	-8.6		-8.4											
0530	-9.2	-8.8		-9.0											
0600	-8.8	-8.8		-8.8											
0630	-9.3	-9.4		-9.4											
0700	-9.6	-9.5		-9.6											
0730	-9.7	-8.9		-9.3											
0800	-9.4	-9.7		-9.6											
0830	-9.6	-9.3		-9.4											
0900	-9.3	-9.6		-9.4											
0930	-9.4	-9.6		-9.5											
1000	-9.3	-9.5		-9.4											
1030	-9.7	-10.0		-9.8											
1100	-9.2	-9.2		-9.2											
1130	-9.2	-9.9		-9.6											
1200	-9.5	-9.6		-9.6											
1230	-9.3	-10.0		-9.6											
1300	-9.3	-9.6		-9.4											
1330	-9.5	-9.7		-9.6											
1400	-9.8	-9.5		-9.6											
1430	-9.8	-10.0		-9.9											
1500	-9.8	-10.0		-9.9											
1530	—	-9.9		-9.9											
1600	-10.0	-9.7		-9.8											
1630	-9.3	-9.7		-9.5											
1700	-9.8	-9.7		-9.8											
1730	-9.3	-9.4		-9.4											
1800	-9.7	-9.9		-9.8											
1830	-10.3	-9.9		-10.1											
1900	-9.9	-10.0		-10.0											
1930	-10.2	-9.8		-10.0											
2000	-9.8	-9.8		-9.8											
2030	-10.3	-10.0		-10.2											
2100	-10.3	-10.3		-10.3											
2130	-10.2	-9.7		-10.0											
2200	-9.9	-10.6		-10.2											
2230	-10.7	-10.4		-10.6											
2300	-10.5	-10.2		-10.4											
2330	-10.6	-10.6		-10.6											325.38 + σ/0.9794
2400	-10.9	-10.9		-10.9											
	-10.8	-10.7													

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date MAY 23, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-9.46 (96)

3/S. 72

	AH L1	AH L2	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-11.1	-10.4		-10.8											
0100	-10.2	-10.2		-10.2											
0130	-10.3	-10.2		-10.2											
0200	-10.0	-10.2		-10.1											
0230	-10.3	-10.3		-10.3											
0300	-10.0	-9.9		-10.0											
0330	-9.9	-9.9		-9.9											
0400	-9.8	-10.2		-10.0											
0430	-10.1	-8.8		-9.4											
0500	-9.2	-9.2		-9.2											
0530	-8.5	-9.0		-8.8											
0600	-8.5	-9.1		-8.8											
0630	-9.5	-9.4		-9.4											
0700	-9.0	-9.8		-9.4											
0730	-9.9	-9.6		-9.8											
0800	-9.4	-9.4		-9.4											
0830	-9.0	-9.0		-9.0											
0900	-9.9	-9.6		-9.8											
0930	-10.1	-9.6		-9.8											
1000	-9.8	-9.3		-9.6											
1030	-8.8	-9.7		-9.2											
1100	-8.8	-9.2		-9.0											
1130	-8.8	-9.4		-9.1											
1200	-9.3	-8.9		-9.1											
1230	-9.4	-9.3		-9.4											
1300	-8.9	-9.6		-9.2											
1330	-9.1	-9.5		-9.3											
1400	-9.3	-9.7		-9.5											
1430	-9.5	-9.7		-9.6											
1500	-9.5	-9.7		-9.6											
1530	-9.4	-9.5		-9.4											
1600	-9.7	-9.4		-9.6											
1630	-9.3	-9.2		-9.2											
1700	-9.3	-9.2		-9.2											
1730	-9.2	-9.2		-9.2											
1800	-9.3	-8.7		-9.0											
1830	-9.5	-9.4		-9.4											
1900	-9.4	-9.2		-9.3											
1930	-9.1	-9.3		-9.5											
2000	-9.6	-8.9		-9.2											
2030	-9.3	-9.2		-9.2											
2100	-9.3	-9.4		-9.4											
2130	-9.7	-9.5		-9.6											
2200	-9.3	-9.5		-9.4											
2230	-9.7	-9.3		-9.5											
2300	9.3	-8.5		-8.9											
2330	-9.2	-9.2		-9.2											
2400	-9.3	-8.3		-8.8											
	-8.1	-9.2													

325.38 ÷ 5
0.9794

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date MAY 22, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-9.53(86)
31.5.65

	AH L1	AH L2	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-8.9	-9.0		-9.0											
0100	-8.7	-8.8		-8.8											
0130	-8.8	-8.6		-8.7											
0200	-8.5	-8.8		-8.6											
0230	-8.6	-8.9		-8.6											
0300	-9.0	-8.8		-8.9											
0330	-8.9	-8.8		-8.8											
0400	-8.9	-8.8		-8.8											
0430	-9.1	-8.6		-8.8											
0500	-8.5	-8.5		-8.5											
0530	-9.3	-8.8		-9.0											
0600	-8.5	-8.7		-8.6											
0630	-8.6	-8.9		-8.8											
0700	-8.9	-8.8		-8.8											
0730	-8.9	-9.1		-9.0											
0800	-9.2	-8.8		-9.0											
0830	-9.0	-9.1		-9.0											
0900	-9.2	-9.2		-9.2											
0930	-9.2	-9.8		-9.5											
1000	-9.1	-10.3		-9.7											
1030	-10.3	-9.6		-10.0											
1100	-9.3	-9.6		-9.4											
1130	-9.3	-9.9		-9.6											
1200	-9.6	-9.7		-9.6											
1230	-9.5	-9.8		-9.6											
1300	-9.8	-9.6		-9.7											
1330	-9.6	—		-9.6											DEFROST FREEZER
1400															
1430															
1500															
1530															
1600	—	-10.2		-10.2											
1630	-10.2	-10.3		-10.2											
1700	-10.3	-10.1		-10.2											
1730	-10.7	-10.2		-10.4											
1800	-10.7	-10.5		-10.6											
1830	-10.4	-10.6		-10.5											
1900	-10.2	-10.2		-10.2											
1930	-10.3	-10.3		-10.3											
2000	-10.1	-10.3		-10.2											
2030	-10.5	-10.3		-10.4											
2100	-10.2	-10.2		-10.2											
2130	-10.1	-10.2		-10.2											
2200	-9.8	-9.6		-9.7											
2230	-9.5	-9.4		-9.4											
2300	-9.8	-10.3		-9.6											
2330	-10.4	-10.4		-10.4											325.38+ 5 / 0.9794
2400	-10.3	-10.0		-10.2											
	-9.8	-10.5													

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ S10 PIER

Span _____ Zero _____ Freezer Temp. _____ Date MAY 21, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 86 _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-7.03(92)

318.20

	AH L1	L2	AH L3	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-6.0		-6.2			-6.1											
0100	-6.3		-5.8			-6.0											
0130	-5.4		-5.5			-5.4											
0200	-4.0		-2.2			-3.1											
0230	-2.4		-3.4			-2.9											
0300	-4.7		-5.7			-5.2											
0330	-4.8		-2.3			-3.6											
0400	-1.0		—			-1.0											
0430	0.0		+0.5			+0.2											
0500	-1.5		-2.1			-1.8											
0530	-2.5		-3.1			-2.8											
0600	-2.9		-4.3			-3.6											
0630	-5.5		-5.9			-5.7											
0700	-6.8		-7.5			-7.2											
0730	-6.8		-6.9			-6.8											
0800	-7.4		-7.9			-7.7											
0830	-8.2		-8.1			-8.2											
0900	-7.9		-8.4			-8.2											
0930	-8.2		—			-8.2											
1000	—		—			—											
1030	-7.5		-7.6			-7.6											
1100	-8.0		-8.2			-8.1											
1130	-7.9		-8.2			-8.0											
1200	-7.9		-7.9			-7.9											
1230	-8.2		-8.1			-8.2											
1300	-7.9		-7.9			-7.9											
1330	-7.8		-7.9			-7.8											
1400	-8.1		-8.2			-8.2											
1430	-8.4		-8.5			-8.4											
1500	-8.4		-9.0			-8.7											
1530	-8.6		-8.8			-8.7											
1600	-8.3		-8.8			-8.6											
1630	-8.6		-8.7			-8.6											
1700	-8.3		-8.9			-8.6											
1730	-8.6		-8.8			-8.7											
1800	-8.6		-9.1			-8.8											
1830	-8.9		-8.8			-8.8											
1900	-8.8		-8.3			-8.6											
1930	-8.8		-8.6			-8.7											
2000	-8.5		-8.8			-8.6											
2030	-8.4		-8.7			-8.6											
2100	-8.5		-8.7			-8.6											
2130	-8.8		-8.7			-8.8											
2200	-8.5		-8.5			-8.5											
2230	-8.9		-8.8			-8.8											
2300	-8.4		-8.8			-8.6											
2330	-9.1		-9.0			-9.0											325.38 + 0
2400	-8.7		-8.8			-8.8											09794
	-9.0		-9.0														

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date MAY 20, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-7.10 (96)
3/8/13

	AH L1 -7.4	AH L2 -7.2	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-7.0	-7.2		-7.1											
0100	-7.0	-6.8		-6.9											
0130	-4.7	-4.4		-4.6											
0200	-4.1	-4.3		-4.2											
0230	-4.4	-4.9		-4.6											
0300	-4.9	-4.8		-4.8											
0330	-5.5	-5.4		-5.4											
0400	-5.5	-5.3		-5.4											
0430	-4.9	-5.2		-5.0											
0500	-4.7	-4.9		-4.8											
0530	-4.6	-4.8		-4.7											
0600	-4.2	-4.1		-4.2											
0630	-4.4	-4.7		-4.6											
0700	-4.9	-5.8		-5.4											
0730	-6.1	-6.7		-6.4											
0800	-7.7	-7.7		-7.7											
0830	-8.2	-8.4		-8.3											
0900	-8.3	-8.2		-8.2											
0930	-8.7	-8.7		-8.7											
1000	-8.4	-8.4		-8.4											
1030	-8.3	-8.3		-8.3											
1100	-8.3	-8.8		-8.6											
1130	-8.6	-8.9		-8.8											
1200	-8.7	-8.8		-8.8											
1230	-8.5	-8.8		-8.6											
1300	-8.5	-8.9		-8.7											
1330	-8.3	-8.5		-8.4											
1400	-8.6	-8.3		-8.4											
1430	-8.3	-8.5		-8.4											
1500	-8.2	-8.5		-8.4											
1530	-8.4	-8.3		-8.4											
1600	-8.2	-8.3		-8.2											
1630	-8.5	-8.6		-8.6											
1700	-8.1	-8.1		-8.1											
1730	-8.2	-8.7		-8.4											
1800	-8.2	-8.1		-8.2											
1830	-7.9	-8.0		-8.0											
1900	-8.1	-8.2		-8.2											
1930	-8.2	-7.5		-7.8											
2000	-7.6	-7.5		-7.6											
2030	-7.3	-7.3		-7.3											
2100	-7.0	-6.7		-6.8											
2130	-6.8	-6.9		-6.8											
2200	-6.8	-6.7		-6.8											
2230	-6.7	-6.8		-6.8											
2300	-7.1	-7.1		-7.1											
2330	-7.0	-6.8		-6.9											325.38 + 5
2400	-6.6	-5.8		-6.2											0.9794
	-6.0	-6.3													

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date MAY 19, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-7.68 (96)
317.54

	AH L1	AH L2	AH L3	AH L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-7.1		-6.0			-6.6											
0100	-6.7		-6.4			-6.6											
0130	-6.2		-6.3			-6.2											
0200	-7.5		-8.0			-7.8											
0230	-7.8		-7.8			-7.8											
0300	-7.6		-7.8			-7.7											
0330	-7.8		-8.3			-8.0											
0400	-8.0		-8.2			-8.1											
0430	-8.2		-8.1			-8.2											
0500	-7.5		-7.9			-7.7											
0530	-7.8		-7.5			-7.6											
0600	-6.3		-5.6			-6.0											
0630	-7.9		-8.4			-8.6											
0700	-7.6		-7.7			-7.6											
0730	-7.9		-7.7			-7.8											
0800	-7.9		-7.8			-7.6											
0830	-7.9		-8.4			-8.2											
0900	-8.1		-8.9			-8.5											
0930	-8.2		-8.5			-8.4											
1000	-7.7		-8.5			-8.1											
1030	-8.3		-8.0			-8.2											
1100	-8.2		-8.4			-8.3											
1130	-8.7		-8.7			-8.7											
1200	-8.3		-8.4			-8.4											
1230	-7.9		-8.7			-8.3											
1300	-8.5		-8.2			-8.4											
1330	-8.3		-8.8			-8.6											
1400	-8.3		-8.6			-8.4											
1430	-8.3		-8.1			-8.2											
1500	-8.3		-8.2			-8.2											
1530	-8.1		-8.2			-8.2											
1600	-8.1		-8.2			-8.2											
1630	-8.2		-8.3			-8.2											
1700	-8.2		-8.2			-8.2											
1730	-8.1		-8.3			-8.2											
1800	-8.1		-8.4			-8.2											
1830	-8.4		-7.9			-8.2											
1900	-7.8		-8.3			-8.0											
1930	-7.7		-7.2			-7.4											
2000	-5.2		-5.2			-5.2											
2030	-5.9		-5.8			-5.8											
2100	-6.4		-6.5			-6.4											
2130	-6.5		-6.5			-6.5											
2200	-6.7		-6.3			-6.5											
2230	-6.8		-6.9			-6.8											
2300	-6.6		-7.2			-6.9											
2330	-7.5		-7.5			-7.5											325.38 + 5
2400	-7.9		-6.7			-7.3											0.9794
	-7.1		-7.7														

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date MAY 18, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-8.19 (85)

317.02

	AH L1	AH L2	AH L3	AH L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-6.7		-7.3			-7.0											
0100	-7.9		-7.7			-7.8											
0130	-8.1		-7.8			-8.0											
0200	-7.9		-8.1			-8.0											
0230	-8.0		-7.9			-8.0											
0300	-7.6		-6.5			-7.0											
0330	-8.0		-7.8			-7.9											
0400	-7.8		-8.1			-8.0											
0430	-8.0		-8.1			-8.0											
0500	-8.0		-8.0			-8.0											
0530	-8.1		-8.2			-8.2											
0600	-7.7		-8.4			-8.0											
0630	-7.9		—			-7.9											
0700	-8.2		-8.0			-8.1											
0730	-8.4		-7.9			-8.6											
0800	-7.5		-8.2			-7.8											
0830	-8.0		-8.1			-8.0											
0900	-8.2		-8.2			-8.2											
0930	-8.1		-8.3			-8.2											
1000	-8.0		-8.2			-8.1											
1030	-8.1		-8.7			-8.4											
1100	-8.0		-8.3			-8.2											
1130	-8.3		-8.5			-8.4											
1200	-8.0		-8.7			-8.4											
1230	-8.7		-8.7			-8.7											
1300	-8.6		-8.3			-8.4											
1330	-8.7		-8.1			-8.4											
1400	-8.3		-8.2			-8.2											
1430	-8.0		-8.1			-8.0											
1500	-8.0		-8.4			-8.2											
1530	-8.3		—			-8.3											DEFROST FREEZER
1600																	
1630																	
1700																	
1730																	
1800	—		-9.0			-9.0											
1830	-9.0		-8.8			-8.9											
1900	-8.8		-8.8			-8.8											
1930	-8.4		-8.8			-8.6											
2000	-8.8		-8.6			-8.7											
2030	-8.3		-8.4			-8.4											
2100	-8.5		-8.4			-8.9											
2130	-8.3		-8.4			-8.4											
2200	-8.4		-8.3			-8.4											
2230	-8.3		-8.3			-8.3											
2300	-8.2		-8.3			-8.2											
2330	-7.9		-8.1			-8.0											325.38 + 5
2400	-8.0		-7.8			-7.9											0.9794
	-7.7		-7.3														

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ S10 PIER

Span _____ Zero _____ Freezer Temp. _____ Date MAY 17, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-7.84 (95)

317.38

	AH ~~-6.3~~ L1	AH ~~-6.8~~ L3	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-7.3	-7.9		-7.6											
0100	-7.9	-7.8		-7.8											
0130	-6.8	-7.0		-6.9											
0200	-7.8	-8.0		-7.9											
0230	-8.1	-7.3		-7.7											
0300	-7.8	-7.8		-7.8											
0330	-7.7	-7.8		-7.8											
0400	-7.2	-7.5		-7.4											
0430	-6.9	-7.2		-7.0											
0500	-6.6	-6.8		-6.7											
0530	-6.9	-6.9		-6.9											
0600	-6.1	-6.2		-6.2											
0630	-6.3	-7.0		-6.6											
0700	-7.8	-7.8		-7.8											
0730	-7.9	-8.1		-7.8											
0800	-7.7	-7.1		-7.4											
0830	-6.7	-6.5		-6.6											
0900	-7.8	-8.2		-8.0											
0930	-8.2	-8.4		-8.3											
1000	-8.3	-8.4		-8.4											
1030	-7.8	-8.3		-8.0											
1100	-8.2	-8.4		-8.3											
1130	-8.1	-8.3		-8.2											
1200	-8.1	-8.3		-8.2											
1230	-8.2	-8.3		-8.2											
1300	-8.6	-8.7		-8.6											
1330	-8.3	-8.5		-8.4											
1400	-8.4	-8.0		-8.2											
1430	-8.3	—		-8.3											
1500	-8.2	-8.3		-8.2											
1530	-8.2	-8.0		-8.1											
1600	-8.3	-8.3		-8.3											
1630	-8.2	-8.0		-8.1											
1700	-8.2	-7.7		-8.0											
1730	-7.8	-8.1		-8.0											
1800	-7.8	-7.9		-7.8											
1830	-8.1	-8.1		-8.1											
1900	-7.9	-7.8		-7.8											
1930	-8.0	-8.2		-8.1											
2000	-8.4	-8.2		-8.3											
2030	-8.1	-8.3		-8.2											
2100	-8.2	-8.4		-8.3											
2130	-8.7	-8.7		-8.7											
2200	-8.2	-8.0		-8.1											
2230	-8.5	-8.4		-8.4											
2300	-8.1	-7.8		-8.0											
2330	-8.2	-8.0		-8.1											
2400	-7.0	-6.5		-6.8											
	-7.1	-6.2													

325.38 + σ

0.9994

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date MAY 16, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-6.78 (96)

318.46

	RH L1	L2	RH L3	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-3.5		-3.5			-3.5											
0100	-2.8		-3.2			-3.0											
0130	-3.0		-4.1			-3.6											
0200	-4.6		-4.1			-4.4											
0230	-3.8		-3.8			-3.8											
0300	-3.2		-3.1			-3.2											
0330	-3.9		-4.2			-4.2											
0400	-3.7		-4.0			-3.8											
0430	-3.6		-2.8			-3.2											
0500	-5.0		-5.6			-5.3											
0530	-5.0		-5.2			-5.1											
0600	-4.2		-6.6			-5.4											
0630	-6.5		-5.8			-6.2											
0700	-7.3		-7.9			-7.6											
0730	-6.7		-7.2			-7.0											
0800	-6.7		-7.1			-6.9											
0830	-7.9		-7.7			-7.8											
0900	-8.0		-8.3			-8.2											
0930	-8.4		-8.6			-8.5											
1000	-8.4		-8.4			-8.4											
1030	-8.0		-8.8			-8.4											
1100	-8.3		-8.6			-8.4											
1130	-8.3		-8.3			-8.3											
1200	-8.3		-8.7			-8.5											
1230	-8.1		-8.3			-8.2											
1300	-7.8		-8.0			-7.9											
1330	-8.2		-7.9			-8.2											
1400	-7.9		-8.2			-8.0											
1430	-7.9		-8.0			-8.0											
1500	-7.9		-8.2			-8.0											
1530	-8.3		-8.0			-8.2											
1600	-7.8		-8.3			-8.0											
1630	-8.3		-8.3			-8.3											
1700	-8.0		-8.0			-8.0											
1730	-8.1		-8.2			-8.2											
1800	-7.9		-8.6			-8.2											
1830	-8.6		-8.0			-8.3											
1900	-8.5		-7.8			-8.2											
1930	-7.7		-7.2			-7.4											
2000	-7.0		-7.0			-7.0											
2030	-6.4		-6.2			-6.3											
2100	-7.1		-7.5			-7.3											
2130	-7.4		-7.1			-7.2											
2200	-6.2		-6.4			-6.3											
2230	-6.5		-6.2			-6.4											
2300	-7.1		-7.8			-7.4											
2330	-7.2		-7.0			-7.1											
2400	-6.7		-6.8			-6.8											
	-6.3		-7.2														

325.38 + 5
0.9794

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date MAY 15, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-7.91 (96)

317.30

	AH 1	2	AH 3	4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
	~~-8.5~~		~~-8.8~~														
0030	-8.	2	-8.	5		-8.4											
0100	-8.	5	-8.	7		-8.6											
0130	-8.	5	-8.	5		-8.5											
0200	-8.	3	-7.	5		-7.9											
0230	-8.	4	-8.	2		-8.3											
0300	-8.	6	-8.	5		-8.6											
0330	-8.	5	-8.	6		-8.6											
0400	-8.	4	-8.	6		-8.5											
0430	-8.	3	-9.	2		-8.8											
0500	-9.	1	-8.	8		-9.0											
0530	-8.	0	-8.	8		-8.4											
0600	-8.	9	-9.	0		-9.0											
0630	-8.	2	-8.	5		-8.4											
0700	-8.	7	-8.	5		-8.6											
0730	-8.	8	-8.	5		-8.6											
0800	-8.	6	-9.	2		-8.9											
0830	-9.	3	-9.	4		-9.4	✓										
0900	-8.	9	-9.	3		-9.1											
0930	-8.	8	-8.	8		-8.8											
1000	-8.	6	-9.	2		-8.9											
1030	-8.	8	-9.	2		-9.0											
1100	-8.	9	-9.	3		-9.1											
1130	-8.	8	-8.	9		-8.8											
1200	-8.	7	-8.	8		-8.8											
1230	-8.	8	-8.	8		-8.8											
1300	-8.	8	-8.	8		-8.8											
1330	-8.	7	-8.	9		-8.8											
1400	-8.	8	-8.	8		-8.8											
1430	-8.	8	-8.	7		-8.8											
1500	-8.	9	-8.	7		-8.8											
1530	-8.	7	-8.	8		-8.8											
1600	-8.	9	-9.	0		-9.0											
1630	-8.	8	-8.	7		-8.8											
1700	-8.	8	-8.	9		-8.8											
1730	-8.	9	-9.	1		-9.0											
1800	-8.	8	-9.	2		-9.0											
1830	-8.	8	-8.	9		-8.8											
1900	-8.	8	-8.	9		-8.8											
1930	-8.	8	-8.	7		-8.8											
2000	-8.	5	-5.	5		-7.0											
2030	-7.	0	-7.	5		-7.2											
2100	-6.	9	-6.	2		-6.6											
2130	-6.	2	-5.	6		-5.9											
2200	-5.	8	-4.	2		-5.0											
2230	-3.	8	-2.	3		-3.0											
2300	-2.	4	-2.	0		-2.2											
2330	-1.	0	-0.	2		-0.6											325.38 + 5
2400	0.	3	-1.	7		-0.7											0.9744
	HT 2.7		-0.8														

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date MAY 19, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-8.25 (87)

316.96

	AH L1	L2	AH L3	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-9.5		-9.7			-9.6											
0100	-9.3		-9.4			-9.4											
0130	-9.7		-7.2			-8.4											
0200	-6.7		-6.5			-6.6											
0230	-6.6		-6.7			-6.6											
0300	-6.8		-6.7			-6.8											
0330	-7.3		-7.0			-7.2											
0400	-6.3		-6.2			-6.2											
0430	-6.6		-6.3			-6.4											
0500	-6.2		-7.2			-6.7											
0530	-5.7		-6.5			-6.1											
0600	-6.0		-6.9			-6.4											
0630	-7.8		—			-7.8											
0700	—		—			—											
0730	—		-8.9			-8.9											
0800	-8.9		—			-8.9											
0830	-7.2		-8.0			-7.6											
0900	-8.0		-7.7			-7.8											
0930	—		-7.8			-7.8											
1000	-7.5		-7.9			-7.7											
1030	-7.8		-7.5			-7.6											
1100	-7.5		-7.3			-7.4											
1130	-6.6		-6.7			-6.6											
1200	-7.0		-7.3			-7.2											
1230	-8.1		-8.8			-8.4											
1300	-9.1		—			-9.1											
1330	—		-9.5			-9.5											
1400	-9.4		-8.8			-9.1											
1430	-9.2		-8.8			-9.0											
1500	-9.6		-8.7			-9.2											
1530	-8.7		-8.7			-8.7											
1600	-9.0		-9.3			-9.2											
1630	-9.4		-9.8			-9.6											
1700	-8.8		—			-8.8											
1730	-8.2		-8.5			-8.4											
1800	-8.3		-8.4			-8.4											
1830	-8.7		-8.2			-8.4											
1900	-8.5		-8.3			-8.4											
1930	-8.7		-9.2			-9.0											
2000	-9.0		-9.0			-9.0											
2030	-9.3		-9.2			-9.2											
2100	-9.2		-9.1			-9.2											
2130	-9.0		-9.0			-9.0											
2200	-9.5		-9.1			-9.3											
2230	-9.4		-9.8			-9.6											
2300	-9.7		-9.7			-9.7											
2330	-9.6		-9.0			-9.3											
2400	-8.9		-8.3			-8.6											
	-9.7		-9.2														

325.38 + 0 / 0.9794

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date MAY 13, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-8.99 (61)

316.20

	L1 AH	L2	L3 AH	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	~~-10.4~~		-10.1			-10.2											
0100	-9.1		-8.4			-8.8											
0130	-8.5		-8.9			-8.7											
0200	-8.5		-8.3			-8.4											
0230	-7.8		-7.2			-7.5											
0300	-6.6		-7.6			-7.1											
0330	-6.6		-3.7			-5.2											
0400	-5.2		-8.2			-6.7											
0430	-8.8		-8.6			-8.7											
0500	-8.3		-8.5			-8.4											
0530	-8.2		-8.9			-8.6											
0600	-8.7		-9.1			-8.9											
0630	-8.6		-9.0			-8.8											
0700	-9.5		-9.1			-9.3											
0730																	Ref. Gas. Comparison Run
0800																	
0830																	
0900																	
0930																	
1000																	
1030																	
1100																	
1130																	
1200																	
1230																	
1300																	
1330																	
1400																	
1430																	
1500																	
1530																	
1600	—		-9.3			-9.3											
1630	-9.8		-9.7			-9.8											
1700	-9.9		-9.3			-9.4											
1730	-9.5		-9.9			-9.7											
1800	-9.5		-9.3			-9.4											
1830	-9.4		-9.7			-9.6											
1900	-9.8		-9.7			-9.8											
1930	-9.5		-9.5			-9.5											
2000	-9.6		-9.7			-9.6											
2030	-9.8		-9.6			-9.7											
2100	-9.8		-9.6			-9.7											
2130	-9.4		-9.8			-9.6											
2200	-9.5		-9.5			-9.5											
2230	-9.7		-9.9			-9.8											
2300	-9.9		-9.5			-9.7											
2330	-9.5		-9.7			-9.6											
2400	-9.4		-10.0			-9.7											
	-10.2		-9.7														

325.38 ± 0.9744

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ S10 PIER

Span _____ Zero _____ Freezer Temp. _____ Date MAY 12, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-8.74 (82)

316.46

	L1 / L2 (AH)	L3 / L4 (AH)	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
	-7.2	-6.7													
0030	-6.3	-6.9		-6.6											
0100	-7.3	-6.9		-7.1											
0130	-7.0	-7.1		-7.0											
0200	-7.0	-6.3		-6.7											
0230	-6.3	-5.9		-6.1											
0300	-6.2	-5.7		-6.0											
0330	-5.6	-5.8		-5.7											
0400	-6.6	-6.2		-6.4											
0430	-7.5	-7.3		-7.4											
0500	-8.6	-8.7		-8.6											
0530	-8.6	-8.4		-8.5											
0600	-8.9	-8.7		-8.8											
0630	-8.7	—		-8.7											Defrost Freeze
0700															
0730															
0800															
0830															
0900															
0930															
1000	—	-9.4		-9.4											
1030	-9.1	-9.4		-9.2											
1100	-9.3	-9.2		-9.2											
1130	-9.4	-9.4		-9.4											
1200	-9.2	-9.1		-9.2											
1230	-9.5	-9.5		-9.5											
1300	-9.6	-9.6		-9.6											
1330	-8.9	-9.0		-9.0											
1400	-9.3	-9.3		-9.3											
1430	-9.6	-9.3		-9.4											
1500	-8.7	-8.2		-8.4											
1530	-8.8	-9.3		-9.0											
1600	-9.3	-9.4		-9.4											
1630	-9.5	-9.3		-9.4											
1700	-9.5	-9.4		-9.4											
1730	-9.4	-9.3		-9.4											
1800	-9.2	-9.3		-9.2											
1830	-9.4	-9.3		-9.4											
1900	-9.3	-9.3		-9.3											
1930	-9.6	-9.2		-9.4											
2000	-9.5	-9.3		-9.4											
2030	-9.3	-9.5		-9.4											
2100	-9.6	-9.7		-9.6											
2130	-9.8	-10.1		-10.0											
2200	-9.7	-9.9		-9.8											
2230	-9.9	-10.4		-10.2											
2300	-9.9	-9.9		-9.9											
2330	-10.1	-9.8		-10.0											
2400	-9.8	-9.8		-9.8											

325.38 + D/09794

HN

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ 510 PIER

Span _____ Zero _____ Freezer Temp. _____ Date MAY 11, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-7.79 (9.6)

317.43

	AH ~~L1~~	~~L2~~	AH ~~L3~~	~~L4~~	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-7.9		-7.9			-7.9											
0100	-7.9		-7.8			-7.3											
0130	-6.7		-7.1			-6.9											
0200	-6.6		-6.3			-6.4											
0230	-6.2		-6.3			-6.2											
0300	-5.9		-6.0			-6.0											
0330	-6.1		-5.8			-6.0											
0400	-6.5		-6.3			-6.4											
0430	-7.3		-7.6			-7.4											
0500	-7.9		-8.1			-8.0											
0530	-7.8		-7.6			-7.7											
0600	-8.2		-8.2			-8.2											
0630	-7.4		-7.3			-7.4											
0700	-7.7		-7.7			-7.7											
0730	-7.1		-6.8			-7.0											
0800	-6.3		-7.1			-6.7											
0830	-6.8		-5.2			-6.0											
0900	-5.3		-4.8			-5.0											
0930	-4.8		-4.8			-4.8											
1000	-5.8		-8.2			-7.0											
1030	-8.4		-8.3			-8.4											
1100	-8.5		-8.4			-8.4											
1130	-8.8		-8.4			-8.6											
1200	-8.1		-8.6			-8.4											
1230	-8.5		-8.7			-8.6											
1300	-8.7		-8.8			-8.8											
1330	-8.8		-8.3			-8.6											
1400	-8.1		-8.8			-8.4											
1430	-8.7		-8.4			-8.6											
1500	-8.5		-8.4			-8.4											
1530	-8.4		-8.3			-8.4											
1600	-8.2		-8.4			-8.3											
1630	-8.5		-8.7			-8.6											
1700	-8.3		-8.4			-8.4											
1730	-8.5		-8.8			-8.7											
1800	-8.8		-9.1			-8.0											
1830	-8.8		-8.7			-8.8											
1900	-8.8		-9.0			-8.9											
1930	-8.7		-8.6			-8.6											
2000	-8.5		-8.7			-8.6											
2030	-8.7		-8.8			-8.8											
2100	-8.8		-8.7			-8.8											
2130	-8.6		-8.8			-8.7											
2200	-8.6		-8.5			-8.6											
2230	-8.2		-8.7			-8.4											
2300	-8.2		-8.2			-8.2											
2330	-8.1		-7.2			-7.7											
2400	-7.3		-7.1			-7.2											
MN	-7.7		-7.5														

325.38 + 5 = 0.9794

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date MAY 10, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-6.43 (95)

318.81

	~~L1~~ AH ~~L2~~	~~L3~~ AH ~~L4~~	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-1.6	-1.1		-1.4											
0100	-1.5	-2.4		-2.0											
0130	-2.0	-2.3		-2.2											
0200	-1.4	-0.7		-1.0											
0230	-0.4	-2.2		-1.3											
0300	-3.4	-3.6		-3.5											
0330	-4.6	-4.2		-4.4											
0400	-4.7	-4.8		-4.8											
0430	-5.3	-5.4		-5.4											
0500	-4.4	-3.8		-4.1											
0530	-3.9	-4.3		-4.1											
0600	-5.5	-5.3		-5.4											
0630	-5.1	-5.2		-5.2											
0700	-5.2	-8.6		-6.9											
0730	-7.7	-7.9		-7.8											
0800	-7.7	-8.0		-7.8											
0830	-7.9	-8.1		-8.0											
0900	-6.7	-5.3		-6.0											
0930	-4.9	—		-4.9											
1000	-7.7	-8.3		-8.0											
1030	-7.7	-8.2		-8.0											
1100	-7.9	-8.2		-8.0											
1130	-8.0	-8.3		-8.2											
1200	-8.2	-8.3		-8.2											
1230	-8.2	-8.1		-8.2											
1300	-7.5	-8.7		-8.3											
1330	-8.1	-8.1		-8.1											
1400	-7.8	-8.1		-8.0											
1430	-8.3	-8.3		-8.3											
1500	-8.5	-8.6		-8.6											
1530	-8.3	-8.4		-8.4											
1600	-8.2	-8.4		-8.3											
1630	-8.4	-8.1		-8.2											
1700	-8.1	-8.2		-8.2											
1730	-8.2	-8.0		-8.1											
1800	-8.3	-8.3		-8.3											
1830	-8.0	-8.0		-8.0											
1900	-8.0	-8.4		-8.2											
1930	-8.3	-8.4		-8.4											
2000	-8.3	-8.6		-8.4											
2030	-8.4	-8.6		-8.5											
2100	-8.4	-8.4		-8.4											
2130	-8.4	-8.3		-8.4											
2200	-8.2	-8.3		-8.2											
2230	-8.7	-8.0		-8.4											
2300	-7.9	-8.2		-8.0											
2330	-8.3	-8.1		-8.2											325.38 + 0
2400	-8.0	-8.0		-8.0											0.9794
	-7.4	-7.7													

CARBON DIOXIDE DATA

S10 PIER

~~MAUNA LOA OBSERVATORY, HAWAII~~

Span _____ Zero _____ Freezer Temp. _____ Date MAY 9, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-7.73 (96)

3/7.49

	AH L2	AH L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
	-8.8	-8.3													
0030	-8.7	-8.2		-8.4											
0100	-8.7	-8.4		-8.6											
0130	-8.6	-8.3		-8.4											
0200	-8.4	-8.5		-8.4											
0230	-8.8	-8.7		-8.8											
0300	-9.5	-9.1		-9.3											
0330	-9.4	-9.3		-9.4											
0400	-8.9	-9.5		-9.2											
0430	-9.4	-8.7		-9.0											
0500	-8.5	-8.9		-8.7											
0530	-9.1	-9.7		-9.4											
0600	-10.1	-9.2		-9.6											
0630	-9.5	-9.4		-9.4											
0700	-9.8	-9.1		-9.9											
0730	-9.4	-9.5		-9.4											
0800	-9.2	-9.0		-9.1											
0830	-8.5	-9.0		-8.8											
0900	-8.8	-8.6		-8.7											
0930	-9.0	-9.1		-9.0											
1000	-9.1	-9.2		-9.2											
1030	-8.8	-9.2		-9.0											
1100	-8.8	-8.9		-8.0											
1130	-8.5	-8.7		-8.6											
1200	-8.6	-8.5		-8.6											
1230	-7.9	-8.8		-8.4											
1300	-8.7	-8.3		-8.5											
1330	-8.5	-8.4		-8.6											
1400	-8.6	-8.3		-8.4											
1430	-8.8	-7.6		-8.2											
1500	-8.4	-8.6		-8.5											
1530	-8.6	-8.8		-8.7											
1600	-8.3	-8.8		-8.6											
1630	-8.3	-8.5		-8.4											
1700	-8.1	-8.3		-8.2											
1730	-8.4	-8.3		-8.4											
1800	-8.4	-8.6		-8.5											
1830	-8.6	-8.3		-8.4											
1900	-8.4	-8.4		-8.4											
1930	-8.1	-7.8		-8.0											
2000	-7.6	-5.1		-6.4											
2030	-6.5	-6.7		-6.6											
2100	-6.2	-5.1		-5.6											
2130	-3.7	-2.7		-3.2											
2200	-1.9	-0.9		-1.4											
2230	-1.8	-0.9		-1.4											
2300	-1.5	-1.0		-1.2											
2330	-2.3	-2.8		-2.6											325.38 + 0
2400	-2.3	-1.7		-2.0											09794
	-1.5	-1.5													

← Time starting @ 8:30

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date MAY 8, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-7.59 (92) 317.63

	AH ~~L1~~	~~L2~~	AH ~~L3~~	~~L4~~	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-7.1		-6.9			-7.0											
0100	-7.3		-7.2			-7.2											
0130	-9.7		-9.9			-9.8											
0200	-5.1		-5.5			-5.3											
0230	-7.7		-7.9			-7.8											
0300	-5.5		-7.1			-6.3											
0330	-7.0		-6.1			-6.6											
0400	-6.4		-5.9			-6.2											
0430	-6.4		-6.4			-6.4											
0500	-6.7		-5.6			-6.2											
0530	-5.6		-5.8			-5.7											
0600	-5.8		-6.2			-6.0											
0630	-5.9		-5.9			-5.6											
0700	-6.1		-6.0			-6.0	← Time ending @ 7:10										
0730	-6.8		-7.0			-6.9											
0800	-6.9		-7.4			-7.2											
0830	-7.0		-7.3			-7.2											
0900	-7.0		-7.0			-7.0											
0930	-6.5		-6.3			-6.4											
1000	-7.2		-7.2			-7.2											
1030	-7.1		-7.9			-7.5											
1100	-7.7		-8.6			-8.2											
1130	-8.4		-9.6			-9.0											
1200	-8.8		-8.4			-8.6											
1230	-8.9		-8.4			-8.6											
1300	-8.5		-8.1			-8.3											
1330	-8.4		-8.3			-8.4											
1400	-8.5		-8.1			-8.3											
1430	-8.1		-7.3			-7.7											
1500	-7.0		—			-7.0	← Time beginning @ 14:45										Defrost Freeze
1530	—		—			-											
1600	—		-8.6			-8.6											
1630	-8.4		-8.3			-8.4											
1700	-7.6		-8.2			-7.9											
1730	-8.0		-8.1			-8.0											
1800	-7.8		-8.1			-8.0											
1830	-8.2		-8.4			-8.3											
1900	-8.5		-8.3			-8.4											
1930	-8.6		-8.9			-8.8											
2000	-8.8		-8.6			-8.7											
2030	-8.7		-8.9			-8.8											
2100	-8.8		-8.7			-8.8											
2130	-9.1		-8.7			-8.9											
2200	-9.0		-8.7			-8.8											
2230	-8.9		-8.4			-8.6											
2300	-8.8		-8.6			-8.7											
2330	-8.9		-9.5			-9.2											325.38 + 0
2400	-8.7		-9.2			-8.0	-8.8 -8.8										0.9794
	-8.8		-8.5														

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date MAY 7, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank _____ From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-6.88 (42)

318.36

	AH 1	2	AH 3	4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030																	Recorder Trouble
0100																	
0130																	
0200																	
0230																	
0300																	
0330																	
0400																	
0430																	
0500																	
0530																	
0600																	
0630																	
0700																	
0730																	
0800																	
0830																	
0900																	
0930																	New Sequence
1000																	1, 2, 4 AH
1030																	3 AL
1100																	5 Ref.
1130																	
1200																	
1230																	
1300																	
1330																	
1400	-7.9		-8.1			-8.0											
1430	-7.6		-7.7			-7.6											
1500	-8.0		-7.8			-7.9	← Time ending @ 15:10										
1530	-7.8		-8.6			-8.2											
1600	-8.2		-7.9			-8.0											
1630	-8.0		-8.5			-8.2											
1700	-8.3		-8.6			-8.4											
1730	-8.3		-8.4			-8.4											
1800	-8.3		-8.3			-8.3											
1830	-8.3		-8.3			-8.3											
1900	-7.8		-8.1			-8.0											
1930	-7.8		-8.1			-8.0											
2000	-8.2		-6.1			-7.2											
2030	-7.2		-7.3			-7.2											
2100	-7.0		-6.7			-6.8											
2130	-6.7		-6.4			-6.6											
2200	-6.4		-2.8			-4.6											
2230	-2.8		-3.8			-3.3											
2300	-2.7		-0.8			-1.8											
2330	-4.2		-4.0			-4.1											325.38 + 0
2400	-5.4		-5.7			-5.6											0.9794
	-6.7		-6.8														

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ S10 PIER

Span _____ Zero _____ Freezer Temp. _____ Date MAY 6, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-4.75 (40)

320.53

	AH ~~L1~~	~~L2~~	AL ~~L3~~	~~L4~~	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-4.4		-5.0			-4.7											
0100	-5.3		-5.1			-5.2											
0130	-5.7		-5.3			-5.5											
0200	-5.2		-5.7			-5.4											
0230	—		-3.4			-3.4											
0300	-4.1		-4.2			-4.2											
0330	-4.3		-4.3			-4.3											
0400	-4.4		-3.7			-4.0											
0430	-1.9		-1.3			-1.6											
0500	-1.2		-2.6			-1.9											
0530	-3.5		-5.7			-4.6											
0600	-6.1		-4.7			-5.4											
0630	-3.7		-4.3			-4.0											
0700	-5.6		—			-5.6	← time ending @ 7:10										
0730	-5.4		-5.3			-5.4											
0800	-5.3		-5.6			-5.4											
0830	-5.5		-5.9			-5.7											
0900	-6.2		-5.8			-6.0											
0930	-6.0		-5.5			-5.8											
1000	-5.6		-6.0			-5.8											
1030	-6.0		-5.7			-5.8											
1100																	RECORDER TROUBLE
1130																	
1200																	
1230																	
1300																	
1330																	
1400																	
1430																	
1500																	
1530																	
1600																	
1630																	
1700																	
1730																	
1800																	
1830																	
1900																	
1930																	
2000																	
2030																	
2100																	
2130																	
2200																	
2230																	
2300																	
2330																	325.38 + 0
2400																	0.9994

HN

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date MAY 5, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-5.31(90)
319.96

	AH L1	L2	AL L3	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-7.1		-7.2			-7.2											
0100	-7.3		-7.3			-7.3											
0130	-7.4		-6.9			-7.2											
0200	-6.2		-6.0			-6.1											
0230	-6.1		-6.9			-6.5											
0300	-6.1		-5.3			-5.7											
0330	-3.9		-4.3			-4.1											
0400	-3.8		-3.8			-3.8											
0430	-3.4		-2.7			-3.0											
0500	-3.2		-4.2			-3.7											
0530	-4.3		-4.4			-4.4											
0600	—		-2.3			-2.3											
0630	-2.1		-2.0			-2.0											
0700	—		—			—											
0730	—		-6.7			-6.7	← start time @ 7:35										
0800	-6.6		—			-6.6											
0830	-6.6		-6.3			-6.4											
0900	-6.5		-5.8			-6.2											
0930	-6.0		-6.2			-6.1											
1000	-6.1		-5.4			-5.8											
1030	-5.2		-4.8			-5.0											
1100	-5.5		-4.5			-5.0											
1130	-5.3		-4.4			-4.8											
1200	-5.4		-4.3			-4.8											
1230	-5.3		-4.5			-4.9											
1300	-5.3		-3.6			-4.4											
1330	-5.0		-4.3			-4.6											
1400	-5.3		-6.2			-7.8											
1430	-6.6		-7.7			-7.2											
1500	-8.8		—			-8.8											
1530	—		-7.8			-7.8	← time starting @ 15:25										
1600	-8.0		-6.9			-7.4											
1630	-5.8		-4.4			-5.1											
1700	-5.4		-5.1			-5.2	ending ~15:37										
1730	-5.6		-4.8			-5.2											
1800	-6.0		-5.8			-5.9											
1830	-6.8		-5.9			-6.4											
1900	-6.2		-6.0			-6.1											
1930	-6.3		-5.7			-6.0											
2000	-3.4		-2.8			-3.1											
2030	-3.7		-3.8			-3.8											
2100	-5.1		-5.1			-5.1											
2130	-4.2		-3.8			-4.0											
2200	-3.9		-4.0			-4.0											
2230	-3.5		-2.3			-2.9											
2300	-3.8		-4.1			-4.0											
2330	-4.8		-4.3			-4.6											325.38 + 0
2400	-4.8		-4.5			-4.6											0.9794
	-4.0		-4.2														

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date MAY 4, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-7.43 (83)

3/7/79

	AH L1	L2	AK L3	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030																	HIGH NOISE
0100																	
0130																	
0200																	
0230	-7.6		-7.7			-7.6											
0300	-7.5		-8.1			-7.8											
0330	-7.9		-7.8			-7.8											
0400	-7.8		-7.7			-7.8											
0430	-7.5		-7.8			-7.6											
0500	-7.6		-7.9			-7.8											
0530	-7.5		-7.2			-7.4											
0600	-4.0		-4.5			-4.2											
0630	-4.2		-4.8			-4.5											
0700	-6.3		—			-6.3	← mid pt @ 7:00										
0730	-8.0		-8.1			-8.0											
0800	-8.2		-7.9			-8.0											
0830	-8.0		-8.5			-8.2											
0900	-8.2		-7.5			-7.8											
0930	-7.6		-7.2			-7.4											
1000	-7.7		-7.1			-7.4											
1030	-7.9		-7.3			-7.6											
1100	-8.2		-7.7			-8.0											
1130	-7.8		-7.8			-7.8											
1200	-8.2		-7.2			-7.7											
1230	-8.7		-7.2			-8.0											
1300	-7.8		-7.0			-7.4											
1330	-8.2		-6.9			-7.6											
1400	-7.2		-6.2			-6.7											
1430	-8.1		-7.8			-8.0											
1500	-8.6		-6.9			-7.8	← end time @ 15:15										
1530	-8.2		-7.5			-7.8											
1600	-8.5		-7.6			-8.0											
1630	-8.3		-7.2			-7.8											
1700	-7.7		-6.9			-7.3											
1730	-7.1		-7.6			-7.4											
1800	-7.4		-7.6			-7.5											
1830	-7.8		-8.1			-8.0											
1900	-8.4		-7.8			-8.1											
1930	-7.7		-7.6			-7.6											
2000	-8.4		-8.0			-8.2											
2030	-8.6		—			-8.6	✓										
2100	-6.2		-5.8			-6.0											
2130	—		-7.2			-7.2											
2200	—		—			—											
2230	-6.4		-6.3			-6.4											
2300	-6.6		-6.8			-6.7											
2330	-6.4		-7.3			-6.8											325.38 + 0
2400	-7.7		-7.1			-7.4											0.9994

HN

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date MAY 3, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-6.15 (49)

319.10

	L1 AH -8.0	L2	L3 AL -8.2	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-8.4		-8.0			-8.2											
0100	-7.9		-7.7			-7.8											
0130	-7.4		-7.2			-7.3											
0200	-7.3		-6.0			-6.6											
0230	-1.9		-1.5			-1.7											
0300	—		-1.3			-1.3											
0330	—		-2.7			-2.7											
0400	-1.6		—			-1.6											
0430	-2.4		-3.1			-2.8											
0500	-3.2		-3.5			-3.4											
0530	-4.0		-3.6			-3.8											
0600	-3.1		-3.8			-3.4											
0630	-5.2		-5.8			-5.6											
0700	-8.5		-8.5			-8.5											
0730	-8.5		-8.6			-8.6											
0800	-8.4		-8.5			-8.4											
0830	-8.3		-8.2			-8.2											
0900	-8.3		-7.6			-8.0											
0930	-7.8		-7.8			-7.8											
1000	-7.2		-7.2			-7.2											
1030	—		-7.0			-7.0											
1100	-8.8		-7.9			-8.4											
1130	-8.8		-7.7			-8.2											
1200	-7.3		-6.7			-7.0											
1230	-7.5		-6.4			-7.0											
1300	-7.8		-7.2			-7.6											
1330	-8.0		—			-8.0											HIGH NOISE
1400																	
1430																	
1500																	
1530																	
1600																	
1630																	
1700																	
1730																	
1800																	
1830																	
1900																	
1930																	
2000																	
2030																	
2100																	
2130																	
2200																	
2230																	
2300																	
2330																	325.38 + 5
2400																	0.9794

← time ending @ 10:15 counting peaks back from here works.

HN

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date MAY 2, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-8.41 (91)

316.79

	AH L1	AH L2	AL L3	AL L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
	-8.6		-7.8														
0030	-9.1		-8.5			-8.8											
0100	-8.9		-8.6			-8.8											
0130	-9.0		-9.0			-9.0											
0200	-9.1		-8.9			-9.0											
0230	-9.5		-8.7			-9.1											
0300	-9.1		-8.7			-8.9											
0330	-9.0		-8.8			-8.9											
0400	-8.8		-8.9			-8.8											
0430	-8.8		-8.7			-8.8											
0500	-8.9		-9.3			-9.1											
0530	-9.1		-8.8			-9.0											
0600	-9.1		-9.1			-9.1											
0630	-9.3		-9.0			-9.2	✓										
0700	-8.6		-8.2			-8.4											
0730	-8.5		-8.2			-8.4											
0800	-8.2		-8.5			-8.4											
0830	-8.2		-8.4			-8.3											
0900	-8.3		-8.6			-8.4											
0930	-7.8		—			-7.8											
1000	—		—			—											
1030	—		—			—											
1100	-8.5		-8.0			-8.2											
1130	-8.4		-7.7			-8.3											
1200	-8.3		-8.0			-8.2											
1230	-8.6		-7.7			-8.2											
1300	-8.2		-7.5			-7.8											
1330	-7.9		-7.3			-7.6											
1400	-8.2		-7.5			-7.8											
1430	-8.5		-7.8			-8.2											
1500	-8.4		-7.3			-7.8											
1530	-8.7		-7.9			-8.3											
1600	-8.1		-7.0			-7.6											
1630	-7.9		-7.5			-7.7											
1700	-8.7		-8.0			-8.4											
1730	-8.5		-7.9			-8.2											
1800	-8.9		-7.8			-8.4											
1830	-8.1		-8.0			-8.0											
1900	-8.5		-8.5			-8.5											
1930	-9.4		-8.4			-8.9											
2000	-8.7		-8.2			-8.4											
2030	-8.2		-8.3			-8.2											
2100	-8.4		-8.2			-8.3											
2130	-8.2		-8.0			-8.1											
2200	-8.5		-8.6			-8.6											
2230	-9.0		-8.3			-8.6											
2300	-8.4		-8.6			-8.5											
2330	-8.5		-8.3			-8.4											325.38 + 0
2400	-7.3		-7.3			-7.3											0.9794
HN	-8.5		-7.8														

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date MAY 1, 1959

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 26 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-9.07 (29)
3.6.72

	AH ~~L1~~	~~L2~~	AL ~~L3~~	~~L4~~	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030																	AMPLIFIER TROUBLE
0100																	
0130																	
0200																	
0230																	
0300																	
0330																	
0400																	
0430																	
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1130																	
1200																	
1230																	
1300																	
1330																	
1400																	
1430																	
1500																	
1530																	
1600																	
1630																	
1700	+		-8.7			-8.7											
1730	-9.7		-9.2			-9.4											
1800	-9.5		-9.4			-9.4											
1830	-10.2		-9.0			-9.6											
1900	-9.2		-9.3			-9.2											
1930	-9.5		-8.5			-9.0											
2000	-9.3		-8.8			-9.0											
2030	-9.0		-8.2			-8.6											
2100	-9.3		-8.8			-9.0											
2130	-9.5		-8.5			-9.0											
2200	-9.6		-9.0			-9.3											
2230	-9.5		-8.8			-9.2											
2300	-8.8		-8.7			-8.8											
2330	-8.8		-9.1			-9.0											325.38 + 0
2400	-9.0		-8.6			-8.8											29794

-8.8 -8.5