CARBON DIOXIDE DATA — 310 PIER — MAUNA LOA OBSERVATORY, HAWAII

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-1.31 (19)
320.70

	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																	BAD TUBE
0100																	
0130																	
0200																	
0230																	
0300																	
0330																	
0400																	
0430																	
0500																	
0530																	
0600																	
0630																	
0700																	
0730																	
0800	—		-0.9			-0.9											
0830	-0.8		—			-0.8											
0900	-0.6		+0.7			+0.[illegible]											
0930	1.0		1.5			1.2											
1000	1.7		1.7			1.7											
1030	-0.2		—			-0.2											
1100	-2.0		—			-2.0											
1130	-3.0		-2.6			-2.8											
1200	-3.4		-3.5			-3.4											
1230	-3.9		-3.2			-3.6											
1300	-4.1		-3.3			-3.7											
1330	-2.9																AMPLIFIER TROUBLE
1400																	
1430																	
1500																	
1530																	
1600																	
1630																	
1700																	
1730																	
1800																	
1830																	
1900																	
1930																	
2000																	
2030																	
2100																	
2130																	
2200																	
2230																	
2300																	
2330																	322.04 + 0 / 0.9794
2400																	

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-4.11 (30)

317.84

	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	-7.1		-7.0			-7.0											
0100	-7.1		-6.8			-7.0											
0130	-7.0		-6.8			-6.9											
0200	-6.2		-5.8			-6.0											
0230	-5.1		-5.1			-5.1											
0300	—		—			—											
0330	—		0.0			0.0											
0400	—		—			—											
0430	—		—			—											
0500	-1.5		—			-1.5											
0530	-1.2		-2.6			-1.9											
0600	—		-2.1			-2.1											
0630	—		—			—											
0700	-4.9		-5.0			-5.0											
0730	-4.4		—			-4.4											
0800	-4.1		-3.8			-4.0											
0830	—		—			—											
0900	—		-2.6			-2.6											
0930	—		—			—											
1000	-3.0		-4.3			-3.6											
1030	-6.1		-5.5			-5.8											
1100	-5.3		-4.4			-4.8											
1130	-4.4		-3.2			-4.0											
1200	-2.2		—			-2.2											
1230																	Change T1
1300																	TUBE WENT BAD OVER NIGHT.
1330																	
1400																	
1430																	
1500																	
1530																	
1600																	
1630																	
1700																	
1730																	
1800																	
1830																	
1900																	
1930																	
2000																	
2030																	
2100																	
2130																	
2200																	
2230																	
2300																	
2330																	322.04 ± σ
2400																	0.9794

HN

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

Span _____ Zero _____ Freezer Temp. _____ Date APRIL 26, 1957

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-5.58 (89)

REMARKS 316.45

	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
0030	1.0		1.1			1.0										
0100	—		—			—										
0130	0.4		0.7			0.6										
0200	—		—			—										
0230	—		—			—										
0300	—		-2.8			-2.8										
0330	-3.4		-3.9			-3.6										
0400	-3.2		-2.1			-2.6										
0430	-2.0		-1.7			-1.8										
0500	-1.2		-0.8			-1.0										
0530	—		-3.4			-3.4										
0600	-4.3		-4.5			-4.4										
0630	-4.3		-4.8			-4.6										
0700	-3.9		-3.8			-3.8										
0730	-6.4		-6.2			-6.3										
0800	-5.9		-5.3			-5.6										
0830	-6.2		-6.4			-6.3										
0900	-6.6		-6.4			-6.5										
0930	-7.0		-6.8			-6.9										
1000	-7.1		-6.7			-6.9										
1030	-7.2		-6.1			-6.6										
1100	-7.1		-6.2			-6.6										
1130	-7.8		-5.6			-6.7										
1200	-6.7		-5.3			-6.0										
1230	-6.3		-5.2			-5.8										
1300	-6.4		-5.3			-5.8										
1330	-6.5		-6.7			-6.6										
1400	-6.5		-5.2			-5.8										
1430	-7.0		-5.8			-6.4										
1500	-6.9		-5.8			-6.4										
1530	-6.5		-6.8			-6.6										
1600	-6.8		-5.9			-6.4										
1630	-6.5		-5.5			-6.0										
1700	-6.5		-6.1			-6.3										
1730	-7.0		-6.2			-6.6										
1800	-6.7		-6.3			-6.5										
1830	-6.9		-7.4			-7.2										
1900	-8.0		-6.6			-7.3										
1930	-7.0		-6.8			-6.9										
2000	-7.3		-6.7			-7.0										
2030	-7.7		-6.9			-7.3										
2100	-7.3		-6.8			-7.0										
2130	-7.2		-6.9			-7.0										
2200	-7.3		-7.0			-7.2										
2230	-7.4		-7.1			-7.2										
2300	-7.3		-6.8			-7.0										
2330	-7.0		-7.1			-7.0										
2400	-7.3		-6.9			-7.1										
	-7.2		-7.1													

322.04 + 5
0.7794

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ CO PIER

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-4.57 (97)

317.37

	AH ~~5.9~~ 1.2	AL 1.3 ~~5.3~~ 1.4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-5.5	-5.7		-5.6											
0100	-9.5	-9.5		-9.5											
0130	-5.1	-5.0		-5.0											
0200	-5.3	-5.1		-5.2											
0230	-9.5	-3.5		-4.0											
0300	—	-2.7		-2.7											
0330	-3.9	-3.5		-3.7											
0400	-3.3	-3.4		-3.4											
0430	-3.0	-2.2		-2.6											
0500	-1.0	-2.4		-1.7											
0530	0.0	0.7		0.4											
0600	1.3	—		1.3											
0630	-0.8	-0.9		-0.8											
0700	-3.0	-3.7		-3.4											
0730	-4.9	-4.5		-4.7											
0800	-6.4	-5.8		-6.1											
0830	-5.4	-5.9		-5.6											
0900	-5.2	-5.8		-5.5											
0930	—	—		—											
1000	-5.5	-5.4		-5.4											
1030	-6.3	-6.4		-6.4											
1100	-6.7	-6.5		-6.6											
1130	-6.9	-6.5		-6.7											
1200	-7.1	-6.4		-6.8											
1230	-6.8	-6.3		-6.6											
1300	-6.9	-6.4		-6.6											
1330	-6.8	-6.0		-6.4											
1400	-6.3	-6.2		-6.2											
1430	-6.7	-6.1		-6.4											
1500	-6.3	-6.2		-6.2											
1530	-6.6	-4.9		-5.8											
1600	-6.7	-6.0		-6.4											
1630	-6.1	-6.2		-6.2											
1700	-6.4	-6.7		-6.6											
1730	-6.4	-5.9		-6.2											
1800	-6.0	-5.8		-5.9											
1830	-5.8	-5.1		-5.4											
1900	-3.0	-3.8		-3.4											
1930	—	-3.6		-3.6											
2000	-3.9	—		-3.9											
2030	—	—		—											
2100	—	—		—											
2130	—	—		—											
2200	-1.1	-0.7		-0.9											
2230	—	—		—											
2300	—	-0.5		-0.5											
2330	—	—		—											322.04 + 0
2400	—	—		—											0.9794

HN

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-6.65 (91)
315.25

	AH L3	AH L1	AL L3	AL L1	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-6.8		-6.8			-6.8											
0100	-6.8		-6.6			-6.7											
0130	-7.0		-6.9			-7.0											
0200	-6.9		-6.8			-6.8											
0230	-7.1		-6.8			-7.0											
0300	-7.0		-7.1			-7.0											
0330	-7.0		-7.0			-7.0											
0400	-6.9		-7.4			-7.2											
0430	-6.9		-6.8			-6.8											
0500	-6.8		-7.4			-7.1											
0530	-7.0		-7.0			-7.0											
0600	-6.8		-6.8			-6.8											
0630	-6.8		-6.9			-6.8											
0700	-6.6		-7.1			-6.8											
0730	-6.8		-7.0			-6.9											
0800	-6.6		-6.2			-6.4											
0830	—		-6.4			-6.4											CHANGE CHART PAPER
0900	-6.6		-6.7			-6.6											
0930	-6.8		-7.3			-7.0											
1000	-7.2		-7.0			-7.1											
1030	-7.3		-6.5			-6.9											
1100	-7.2		-6.8			-7.0											
1130	-7.4		-6.7			-7.0											
1200	-7.1		-6.4			-6.8											
1230	-7.2		-6.8			-7.0											
1300	-7.2		-5.5			-6.4											
1330	-7.2		-6.2			-6.7											
1400	-7.1		-6.3			-6.7											
1430	-7.0		-5.9			-6.4											
1500	-6.6		-6.3			-6.4											
1530	-7.0		-6.3			-6.6											
1600	-7.1		-6.6			-6.8											
1630	-6.7		—			-6.7											DEFROST FREEZER
1700	—		-6.9			-6.9											
1730	-7.5		-7.1			-7.3											
1800	-7.3		-7.2			-7.2											
1830	-7.6		-7.2			-7.4											
1900	-7.4		-7.4			-7.4											
1930	-7.5		-7.2			-7.4											
2000	-7.7		-7.4			-7.6											
2030	-7.7		-7.2			-7.4											
2100	-7.7		-6.9			-7.3											
2130	-7.3		-7.2			-7.2											
2200	—		—			—											
2230	-2.4		-2.5			-2.4											
2300	-2.6		-4.2			-3.4											
2330	-4.5		-3.5			-4.0											322.04 + 0
2400	-5.0		-4.9			-5.0											0.9794

HF ~~-5.8~~ ~~-5.2~~

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 _____ From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-5.47 (89-)
316.46

	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	-1.9	-2.1		-2.0											
0200	-1.0	-0.8		-0.9											
0230	1.1	1.9		1.5											
0300	-0.9	-0.6		-0.8											
0330	—	—		—											
0400	-5.7	-5.6		-5.6											
0430	-5.8	-5.9		-5.8											
0500	-5.4	-5.8		-5.6											
0530	-5.2	-6.2		-5.4											
0600	-5.9	-4.9		-5.4											
0630	-5.2	-4.9		-5.0											
0700	-4.9	-5.1		-5.0											
0730	-4.5	-4.1		-4.3											
0800	-4.6	-4.4		-4.5											
0830	-4.4	-4.2		-4.3											
0900	-4.3	-4.6		-4.4											
0930	-4.8	-4.8		-4.8											
1000	-4.9	-4.8		-4.8											
1030	-4.9	-4.7		-4.8											
1100	-5.5	-5.4		-5.4											
1130	-6.1	-5.7		-5.9											
1200	-6.3	-6.2		-6.2											
1230	-6.4	-6.4		-6.4											
1300	-7.3	-6.7		-7.0											
1330	-7.2	-6.0		-6.6											
1400	-6.8	-6.3		-6.6											
1430	-7.2	-5.4		-6.3											
1500	-6.8	-6.5		-6.6											
1530	-6.7	-6.5		-6.6											
1600	-7.0	-6.6		-6.8											
1630	-7.1	-6.5		-6.8											
1700	-6.5	-6.4		-6.4											
1730	-6.8	-6.8		-6.8											
1800	-7.2	-6.7		-7.0											
1830	-7.0	-6.8		-6.9											
1900	-6.8	-6.8		-6.8											
1930	-6.6	-6.3		-6.4											
2000	-6.4	-6.5		-6.4											
2030	-4.0	—		-4.0											
2100	-5.1	-4.9		-5.0											
2130	-5.8	-5.6		-5.7											
2200	-6.6	-5.9		-6.2											
2230	-6.6	-6.0		-6.3											
2300	-6.2	-6.5		-6.4											
2330	-6.5	-6.5		-6.5											322.04 + 0
2400	-6.3	-6.8		-6.6											0.9794
	-6.8	-6.7													

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ PIER

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-4.67 (.93)
317.27

	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	-5.0		-5.2			-5.1											
0100	-5.1		-5.1			-5.1											
0130	-4.9		-4.7			-4.8											
0200	-4.2		-4.0			-4.1											
0230	-4.3		-4.4			-4.4											
0300	-4.0		-4.3			-4.2											
0330	-5.2		-5.4			-5.3											
0400	-5.2		-4.9			-5.0											
0430	-4.8		-4.8			-4.8											
0500	-4.3		-4.2			-4.2											
0530	-3.8		-4.1			-4.0											
0600	-3.8		-4.1			-4.0											
0630	-4.1		-4.0			-4.0											
0700	-4.1		-4.0			-4.0											
0730	-3.2		-3.3			-3.2											
0800	-2.8		-2.5			-2.6											
0830	-2.7		-2.2			-2.4											
0900	-3.1		-2.2			-2.6											
0930	-2.4		-2.6			-2.5											
1000	-1.6		-1.5			-1.6											
1030	-1.5		-2.7			-2.1											
1100	-4.4		-4.3			-4.4											
1130	-4.4		-4.4			-4.4											
1200	-5.4		-3.9			-4.6											
1230	-4.5		-4.1			-4.3											
1300	-4.3		-3.2			-4.2											
1330	-3.8		-3.2			-3.5											
1400	-4.1		-3.6			-3.8											
1430	-5.2		-4.5			-4.8											
1500	-5.2		-4.5			-4.8											
1530	-5.3		—			-5.3											
1600	-5.6		-4.6			-5.1											
1630	-5.7		-5.4			-5.6											
1700	-6.4		-7.0			-6.7											
1730	-5.6		-6.3			-6.0											
1800	-6.7		-6.2			-6.4											
1830	-6.8		-6.6			-6.7											
1900	-6.6		-6.6			-6.6											
1930	-6.9		-7.0			-7.0											
2000	-7.4		-7.1			-7.2											
2030	-7.8		-7.0			-7.4											
2100	-7.3		-7.2			-7.2											
2130	—		-7.1			-7.1											
2200	-4.8		-4.6			-4.7											
2230	-3.3		-3.8			-3.6											
2300	—		-4.5			-4.5											
2330	-5.5		-4.3			-4.9											322.04 ± 0
2400	-3.4		-3.4			-3.4											0.9794

~~-3.7 -2.9~~

CARBON DIOXIDE DATA

SIO PIER
~~MAUNA LOA OBSERVATORY, HAWAII~~

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 _____ From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-5.42 (.90)
316.51

	AH L1	AH L2	AL L1	AL 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	-6.2		-6.1			-6.3											
0130	-6.3		-6.2			-6.2											
0200	-6.4		-6.6			-6.5											
0230	-6.5		-6.2			-6.4											
0300	-6.1		-6.3			-6.2											
0330	-6.2		-6.0			-6.1											
0400	-6.2		-6.1			-6.2											
0430	-6.0		-6.2			-6.1											
0500	-5.5		-5.1			-5.3											
0530	-4.4		-4.2			-4.3											
0600	-4.5		-4.5			-4.5											
0630	-4.7		-4.8			-4.8											
0700	-3.6		-3.6			-3.6											
0730	-4.0		-4.2			-4.1											
0800	-4.4		-			-4.4											
0830	-		-			-											
0900	-		-6.0			-6.0											
0930	-6.0		-6.3			-6.2											
1000	-5.5		-5.7			-5.6											
1030	-		-4.3			-4.3											
1100	-		-			-											
1130	-4.9		-4.4			-4.6											
1200	-3.5		-3.6			-3.6											
1230	-6.2		-4.4			-5.3											
1300	-4.7		-4.0			-4.4											
1330	-4.8		-4.2			-4.5											
1400	-5.4		-5.3			-5.4											
1430	-6.2		-5.3			-5.8											
1500	-6.0		-5.2			-5.6											
1530	-5.8		-5.5			-5.7											
1600	-5.5		-5.3			-5.4											
1630	-5.6		-6.8			-6.2											
1700	-5.0		-5.6			-5.3											
1730	-5.8		-5.3			-5.6											
1800	-5.2		-5.2			-5.2											
1830	-5.8		-5.6			-5.7											
1900	-5.7		-5.7			-5.7											
1930	-6.0		-5.8			-5.9											
2000	-6.2		-6.2			-6.2											
2030	-6.6		-6.1			-6.4											
2100	-6.2		-6.1			-6.2											
2130	-6.1		-5.8			-6.0											
2200	-5.8		-5.0			-5.4											
2230	-5.1		-5.1			-5.1											
2300	-5.2		-4.9			-5.0											
2330	-5.1		-5.1			-5.1											322.04 + 0
2400	-4.9		-4.9			-4.9											0.9794
	-5.0		-5.4														

CARBON DIOXIDE DATA

SIO PIER
~~MAUNA LOA OBSERVATORY, HAWAII~~

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 _____ From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-4.93 (.87)
317.01

	AH ~~-4.7~~	AL ~~-4.4~~	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-3.9	-3.2		-3.6											
0100	-3.1	-3.2		-3.2											
0130	-3.3	-3.7		-3.5											
0200	-3.6	-4.1		-3.8											
0230	—	—		—											
0300	—	—		—											
0330	—	-0.5		-0.5											
0400	—	-1.0		-1.0											
0430	—	-1.6		-1.6											
0500	—	-1.8		-1.8											
0530	-1.5	—		-1.5											
0600	-3.0	-3.3		-3.2											
0630	-3.0	-3.9		-3.4											
0700	-3.7	-4.2		-4.0											
0730	-4.1	-4.2		-4.2											
0800	-4.5	-5.2		-4.8											
0830	-5.8	-6.4		-6.1											
0900	-6.7	-7.2		-7.0											
0930	-7.0	-6.8		-6.9											
1000	-6.7	-6.5		-6.6											
1030	-6.7	-6.2		-6.4											
1100	-6.6	-6.1		-6.4											
1130	-6.7	-6.0		-6.4											
1200	-6.7	-5.9		-6.3											
1230	-7.1	-5.8		-6.4											
1300	-6.3	-5.4		-5.8											
1330	-6.9	-5.8		-6.4											
1400	-7.2	-6.3		-6.8											
1430	-7.5	-6.6		-7.0											
1500	-7.5	-6.5		-7.0											
1530	-2.8	-1.3		-2.0											
1600	—	0.5		0.5											
1630	-4.3	-3.7		-4.0											
1700	-4.9	-5.7		-5.3											
1730	-5.8	-5.6		-5.7											
1800	-5.8	-6.6		-6.2											
1830	-6.2	-5.6		-5.9											
1900	-5.4	-6.1		-5.8											
1930	-6.4	-6.0		-6.2											
2000	-6.2	-6.0		-6.1											
2030	-6.4	-6.0		-6.2											
2100	-6.4	-5.8		-6.1											
2130	-6.2	-6.2		-6.2											
2200	-6.4	-5.8		-6.1											
2230	-5.8	-6.4		-6.1											
2300	-6.3	-6.7		-6.5											
2330	-6.0	-6.2		-6.1											322.04 + 5
2400	-6.4	-6.5		-6.4											0.9794
	HN -6.4	-6.3													

CARBON DIOXIDE DATA

SIO PIER
~~MAUNA LOA OBSERVATORY, HAWAII~~

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 _____ From Ref tank test of _____

Tank Press. _____ psI Obs. _____

- 6.74 (92)
315.16

	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	-5.8		-6.2			-6.0											
0100	-6.0		-6.3			-6.2											
0130	-6.6		-6.4			-6.5											
0200	-6.1		-6.9			-6.5											
0230	-7.1		-6.9			-7.0											
0300	-7.0		-6.8			-6.9											
0330	-6.8		-6.9			-6.8											
0400	-6.9		-7.0			-7.0											
0430	-6.9		-7.1			-7.0											
0500	-7.0		-7.1			-7.0											
0530	-7.0		-7.2			-7.1											
0600	-7.0		-7.3			-7.2											
0630	-7.2		-7.1			-7.2											
0700	-7.1		-7.2			-7.2											
0730	-7.2		-7.1			-7.2											
0800	-7.1		-7.1			-7.1											
0830	-6.7		-6.5			-6.6											
0900	-7.1		-7.1			-7.1											
0930	-6.9		-7.3			-7.1											
1000	-7.2		-7.2			-7.2											
1030	-7.5		-6.9			-7.2											
1100	-7.3		-7.5			-7.4											
1130	-7.4		-7.0			-7.2											
1200	-7.5		-6.6			-7.0											
1230	-7.4		-6.9			-7.2											
1300	-7.3		-6.5			-6.9											
1330	-7.0		-6.2			-6.6	0.2	10-15					W	7-11			
1400	-6.6		—			-6.6											CHANGE CHART PAPER
1430	—		—			—											
1500	—		-6.2			-6.2											
1530	-6.8		-6.5			-6.6											
1600	-7.0		-6.4			-6.7											
1630	-6.9		-6.5			-6.7											
1700	-7.4		-7.1			-7.2											
1730	-7.5		-7.1			-7.3											
1800	-7.6		-7.2			-7.4											
1830	-7.7		-7.2			-7.4											
1900	-7.8		-7.2			-7.5											
1930	-7.5		-7.2			-7.4											
2000	-7.1		-7.4			-7.2											
2030	-7.2		-6.8			-7.0											
2100	-7.0		-6.6			-6.8											
2130	-7.0		-6.6			-6.8											
2200	-6.7		-6.4			-6.6											
2230	-6.6		-6.8			-6.7											
2300	-6.6		-6.7			-6.6											
2330	-6.6		-6.1			-6.4											322.04 + 0
2400	-5.7		-4.9			-5.3											0.9794
HN	X		-5.2														

CARBON DIOXIDE DATA

S'O PIER

~~MAUNA LOA OBSERVATORY, HAWAII~~

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

— 6.37 (94)
315.54

	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	-6.9		-7.0			-6.7											
0100	-6.8		-6.9			-6.8											
0130	-6.9		-6.9			-6.9											
0200	-6.7		-6.4			-6.6											
0230	-6.4		-6.4			-6.4											
0300	-5.8		-5.9			-5.8											
0330	-5.5		-6.0			-5.8											
0400	-6.0		-5.5			-5.8											
0430	-4.8		-4.6			-4.7											
0500	-5.2		-6.3			-5.8											
0530	-5.3		—			-5.3											
0600	—		-5.0			-5.0											
0630	-5.8		-6.0			-5.9											
0700	-5.8		-6.6			-6.2											
0730	-6.6		-6.4			-6.5											
0800	-6.3		-6.3			-6.3											
0830	-5.2		-5.3			-5.2											
0900	-5.4		-5.6			-5.5											
0930	-6.5		-6.8			-6.6											
1000	-6.4		-7.1			-6.8											
1030	-7.2		-6.7			-7.0											
1100	-6.9		-6.4			-6.6											
1130	-6.8		-6.1			-6.4											
1200	-6.7		-6.2			-6.4											
1230	-7.1		-6.0			-6.6											
1300	-6.7		-6.1			-6.4											
1330	-6.7		-6.3			-6.5											
1400	-6.9		-5.4			-6.2											
1430	-6.8		-6.2			-6.5											
1500	-6.8		-6.0			-6.4											
1530	-6.8		-6.2			-6.5											
1600	-7.0		-6.4			-6.7											
1630	-6.8		-6.5			-6.6	0.4	10-						7-			
1700	-6.9		-6.4			-6.6		15					SW	11			
1730	-6.9		-6.4			-6.6											
1800	-6.7		-6.6			-6.6											
1830	-7.1		-6.7			-7.0											
1900	-5.7		-6.8			-6.2											
1930	-6.6		-6.6			-6.6											
2000	-6.9		-7.2			-7.0											
2030	-6.8		-7.1			-7.0											
2100	-6.7		-6.7			-6.7											
2130	-6.7		-6.5			-6.6											
2200	-7.0		-6.6			-6.8											
2230	-6.9		-6.4			-6.6											
2300	-6.4		-5.7			-6.0											
2330	-6.5		-6.5			-6.5											322.04 + 5
2400	-6.7		-6.3			-6.5											0.9994
	-5.8		-5.6														

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

- 3.85 (73)
(318.11)

	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	-4.2		-4.3			-4.2											
0100	-3.9		-3.2			-3.6											
0130	-2.6		-2.1			-2.4											
0200	-2.3		-2.1			-2.2											
0230	-3.4		-3.3			-3.4											
0300	-3.7		-4.4			-4.0											
0330	-4.4		-4.9			-4.6											
0400	-5.8		-5.7			-5.8											
0430	-6.1		-5.8			-6.0											
0500	-5.9		-6.0			-6.0											
0530	-5.8		-5.6			-5.7											
0600	-5.5		-5.0			-5.2											
0630	-3.7		-4.2			-4.0											
0700	-3.8		-3.7			-3.8											
0730	-3.6		-3.6			-3.6	OVC	4-6					N	7-11			
0800	-2.6		-1.9			-2.2											
0830	-2.3		-1.8			-2.0											
0900	-2.8		-3.0			-2.9											
0930	—		—			-											
1000	-2.8		—			-2.8											
1030	—		—			-											
1100	-1.0		-0.8			-0.9											
1130	-0.8		-1.3			-1.0											
1200	-2.2		-2.8			-2.6											
1230	-3.4		-3.6			-3.5											
1300	-4.7		-4.3			-4.5											
1330	-4.4		-2.3			-3.4											
1400	-1.9		-0.8			-1.4											
1430	-1.8		-2.2			-2.0											
1500	-3.0		-2.7			-2.8											
1530	-2.6		—			-2.6	0.7	6-8					NW	7-11			
1600	-5.3		-4.9			-5.1											
1630	-6.7		-5.4			-6.0											
1700	-6.2		-5.5			-5.8											
1730	-5.8		-6.0			-5.9											
1800	-5.6		-5.0			-5.3											
1830	-4.7		-5.0			-4.8											
1900	-5.3		-5.2			-5.2											
1930	-5.3		-4.9			-5.1	~~RE~~										PEN STOPPED
2000																	
2030																	
2100																	
2130																	
2200																	
2230																	
2300																	
2330																	322.04 + 0
2400																	0.9794

HN

CARBON DIOXIDE DATA

SIO PIER
~~MAUNA LOA OBSERVATORY, HAWAII~~

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 _____ From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-2.75 (86)
319.23

	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	0.0		0.3			0.2											
0100	3.4		1.9			2.6											
0130	-2.9		-2.9			-2.9											
0200	-3.3		—			-3.3											
0230	5.6		—			5.6											
0300	2.7		3.2			3.0											
0330	2.1		—			2.1											
0400	0.6		0.6			0.6											
0430	0.7		0.2			0.4											
0500	0.4		0.3			0.3											
0530	—		—			—											
0600	0.0		2.1			1.0											
0630	1.5		1.0			1.2											
0700	—		3.1			3.1											
0730	4.5		4.7			4.6											
0800	3.8		5.3			4.6											
0830	—		—			—											
0900	1.8		0.0			0.9											
0930	-2.2		-2.7			-2.4											
1000	-2.8		-2.9			-2.8											
1030	-3.6		-3.5			-3.6											
1100	-4.0		-3.4			-3.7											
1130	-3.8		-3.6			-3.7											
1200	-4.3		-3.8			-4.0											
1230	-4.9		-3.7			-4.3	0.6	6-8					W 4-6				
1300	-5.2		-4.6			-4.9											
1330	-5.8		-5.3			-5.6											
1400	-6.9		-6.3			-6.6											
1430	-6.4		-5.6			-6.0											
1500	-6.6		-5.8			-6.2											
1530	-6.7		-5.8			-6.2											
1600	-6.6		-5.9			-6.2											
1630	-6.5		-6.0			-6.2											
1700	-6.5		-5.6			-6.0											
1730	-6.5		-5.9			-6.2											
1800	-6.6		-6.0			-6.3											
1830	-6.1		-6.3			-6.2											
1900	-5.5		-6.3			-5.9											
1930	—		-5.5			-5.5											
2000	-3.3		-3.4			-3.4											
2030	-4.6		-6.2			-5.4											
2100	—		-3.3			-3.3											
2130	-5.2		-5.6			-5.4											
2200	-6.2		-5.5			-5.8											
2230	-6.7		-6.4			-6.6											
2300	-6.5		-6.3			-6.4											
2330	—		-2.3			-2.3											322.04 + 0
2400	-3.5		-3.1			-3.3											0.9794
	-4.3		-4.3														

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 _____ From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-3.78 (71)

318.18

	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	—		-1.2			-1.2											
0100	—		—			—											
0130	—		—			—											
0200	-1.4		-2.0			-1.7											
0230	-2.1		-1.8			-2.0											
0300	-1.6		-1.5			-1.6											
0330	-1.1		-2.4			-1.8											
0400	—		—			—											
0430	-2.7		-2.5			-2.6											
0500	-1.5		-2.4			-2.0											
0530	—		-2.1			-2.1											
0600	—		—			—											
0630	-0.7		—			-0.7											
0700	—		—			—											
0730	—		—			—											
0800	—		-2.5			-2.5											
0830	—		-2.0			-2.0											
0900	-1.6		—			-1.6											
0930	-1.0		—			-1.0											
1000	-3.4		-4.0			-3.7											
1030	-4.0		-3.3			-3.6											
1100	-3.5		-3.1			-3.3											
1130	-3.5		-2.8			-3.2											
1200	-3.5		-3.3			-3.4											
1230	-4.5		-4.5			-4.5											
1300	-5.6		-4.9			-5.2											
1330	-6.2		-5.0			-5.6	0.8	6.8					NW 4-6				
1400	-6.1		-5.8			-6.0											
1430	-6.2		-5.7			-6.0											
1500	-6.1		-5.7			-5.9											
1530	-6.3		-5.7			-6.0											
1600	-6.2		-5.9			-6.0											
1630	-6.5		-6.0			-6.2											
1700	-6.3		-5.8			-6.0											
1730	-6.0		-5.8			-5.9											
1800	-6.0		-6.0			-6.0											
1830	-5.9		-5.7			-5.8											
1900	-6.1		-5.8			-6.0											
1930	-5.8		-5.7			-5.8											
2000	-6.1		-6.1			-6.1											
2030	-2.3		-2.6			-2.4											
2100	—		—			—											
2130	-2.3		—			-2.3											
2200	-2.6		—			-2.6											
2230	-1.7		-2.3			-2.0											
2300	—		—			—											
2330	-5.1		-4.8			-5.0											322.04 + 0
2400	-4.0		-4.0			-4.0											0.9794

HN

CARBON DIOXIDE DATA

S10 PIER

~~MAUNA LOA OBSERVATORY, HAWAII~~

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-3.85 (85)

318.11

	AH I1	AH I2	AL I3	AL I4	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		-6.2			-6.2											
0130	-6.1		-6.1			-6.1											
0200	-5.7		-6.1			-5.9											
0230	-5.5		-6.0			-5.8											
0300	-5.3		-5.6			-5.4											
0330	-5.0		-4.8			-4.9											
0400	-4.1		-3.6			-3.8											
0430	-2.3		-3.4			-2.8											
0500	-1.2		-2.3			-1.8											
0530	-1.3		-3.6			-2.4											
0600	-2.3		-2.7			-2.5											
0630	-1.5		-1.6			-1.6											
0700							PAPER										
0730							RAN OUT	4-5					N	4-6			
0800							↓										
0830	—		-1.7			-1.7	OVC										
0900	-2.4		-4.2			-3.3											
0930	-3.5		-3.6			-3.6											
1000	-3.6		-3.7			-3.6											
1030	-3.2		-3.6			-3.4											
1100	-3.2		-3.0			-3.1											
1130	-3.0		-3.1			-3.0											
1200	-4.3		-4.1			-4.2											
1230	-4.4		-4.2			-4.3											
1300	-4.6		-4.4			-4.5											
1330	-4.8		-3.7			-4.2											
1400	-4.4		-4.2			-4.3											
1430	-4.3		-3.7			-4.0											
1500	-6.5		-3.6			-5.0											
1530	-3.6		-3.4			-3.5	0.6	2-4	H				NW	7-11			
1600	-2.2		—			-2.2											
1630	—		-4.1			-4.1											
1700	-4.9		-4.2			-4.6											
1730	0.0		—			0.0											
1800	-3.7		-4.1			-3.9											
1830	-5.1		-5.5			-5.3											
1900	-6.0		-6.4			-6.2											
1930	-6.3		-5.8			-6.0											
2000	-5.7		-5.4			-5.6											
2030	-5.2		-5.3			-5.2											
2100	-4.8		-4.8			-4.8											
2130	-4.2		-4.1			-4.2											
2200	-2.3		-2.0			-2.2											
2230	-2.8		-3.0			-2.9											
2300	—		-1.1			-1.1											
2330	-2.1		-2.0			-2.0											322.04 + 0
2400	-2.3		-1.6			-2.0											0.9794
	-1.5		-1.1														

CARBON DIOXIDE DATA

S10 PIER

~~MAUNA LOA OBSERVATORY, HAWAII~~

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-4.90 (65)

317.04

	AH ~~I1~~	~~I2~~	AL ~~I3~~	~~I4~~	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							PEN										
0400							STOPPED										
0430																	
0500																	
0530																	
0600																	
0630																	
0700																	
0730																	
0800	-		-2.1			-2.1	OVC	9.6					N	7-11			
0830	-1.4		-1.7			-1.6											
0900	-1.8		-1.4			-1.6											
0930	-1.0		-1.2			-1.1											
1000	-1.8		-1.8			-1.8											
1030	-1.5		-1.8			-1.6											
1100	-1.3		0.3			-0.5											
1130	-1.3		-0.3			-0.8											
1200	-0.5		-0.5			-0.5											
1230	-1.5		-0.8			-1.2											
1300	-		-5.3			-5.3											
1330	-6.3		-6.0			-6.2											
1400	-6.5		-6.5			-6.5											
1430	-7.0		-6.4			-6.7											
1500	-6.9		-6.5			-6.7											
1530	-7.5		-6.1			-6.8	OVC	6-8					NW-W	4-6			
1600	-6.8		-6.3			-6.6											
1630	-6.5		-6.7			-6.6											
1700	-7.1		-7.1			-7.1											
1730	-7.0		-6.6			-6.8											
1800	-6.5		-6.4			-6.4											
1830	-6.4		-6.1			-6.2											
1900	-6.7		-6.4			-6.6											
1930	-6.4		-6.2			-6.3											
2000	-6.3		-6.1			-6.2											
2030	-7.0		-6.8			-6.9											
2100	-6.7		-7.2			-7.0											
2130	-6.7		-6.5			-6.6											
2200	-6.6		-6.8			-6.7											
2230	-6.7		-6.0			-6.4											
2300	-6.1		-6.1			-6.1											
2330	-6.0		-6.5			-6.2											322.04 + 0
2400	-5.9		-6.2			-6.0											0.9794

HN

CARBON DIOXIDE DATA STATION S10 PIE Sheet No. _____

Span _____ Zero _____ Freezer Temp. _____ Date APRIL 8, 1957

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

- 5.19 (46)
516.74

	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							CHANGE PUMP (AH)										
0100							DEFROST FREZZER										
0130							CHANGE SEQUENCE										
0200																	
0230																	
0300																	
0330																	
0400																	
0430																	
0500																	
0530																	
0600	—		-5.5			-5.5											
0630	-5.8		-6.1			-6.0											
0700	-6.9		-6.3			-6.6											
0730	-8.0		-8.1			-8.0	0.9-1.0	8-10					NW	1-3			
0800	-7.9		-7.2			-7.6											
0830	-6.1		-7.3			-6.7											
0900	-7.2		-8.3			-7.8											
0930	—		6.0			6.0											
1000	6.3		4.9			5.6											
1030	3.7		2.1			2.9											
1100	1.0		-0.5			0.2											
1130	—		-4.0			-4.0											
1200	-5.2		-5.6			-5.4											
1230	-6.0		-7.1			-6.6											
1300	-7.2		-6.3			-6.8											
1330	-6.5		-6.7			-6.6											
1400	-7.4		-6.6			-7.0											
1430	-7.6		-6.8			-7.2											
1500	-7.5		-7.1			-7.3											
1530	-7.4		-6.5			-7.0	0.2	6-8					NW	11-16			
1600	-7.8		-7.3			-7.6											
1630	-7.6		-7.5			-7.6											
1700	-7.9		-7.5			-7.7											
1730	-7.6		-7.5			-7.6											
1800	-7.8		—			-7.8											
1830							PEN STOPPED										
1900																	
1930																	
2000																	
2030																	
2100																	
2130																	
2200																	
2230																	
2300																	
2330																	322.04 + 0
2400																	0.9794

HN

CARBON DIOXIDE DATA STATION S10 P[illegible] Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-5.20 (.56)
316.73

	AL L1	AL 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	-6.5		-6.4			-6.4											
0100	-6.5		-6.5			-6.5											
0130	-6.8		-6.7			-6.8											
0200	-6.8		-6.1			-6.4											
0230	-5.0		-5.8			-5.4											
0300	-5.6		-3.2			-4.4											
0330	-4.3		-3.3			-3.8											
0400	-1.9		-1.3			-1.6											
0430	-1.0		-0.3			-0.6											
0500	—		-1.8			-1.8											
0530	-1.8		-1.8			-1.8											
0600	-1.5		0.0			-0.8											
0630	—		0.8			0.8											
0700	—		—			—											
0730	—		—			—	1.0	8-10					S	4-6			
0800	—		-4.0			-4.0											
0830	—		—			—											
0900	—		-6.6			-6.6											
0930	-6.0		-6.9			-6.4											
1000	-6.2		-6.5			-6.4											
1030	-6.0		-6.1			-6.0											
1100	-6.0		-6.1			-6.4											
1130	-5.9		-6.4			-6.2											
1200	-5.9		-6.5			-6.2											
1230	-6.2		-6.5			-6.4											
1300	-6.3		-6.6			-6.4											
1330	-6.3		-6.5			-6.4											
1400	-6.5		-6.5			-6.5											
1430	-6.6		-6.2			-6.4											
1500	-7.2		-6.8			-7.0											
1530	-6.8		-6.5			-6.6											
1600	-7.2		-7.6			-7.4											
1630	-6.4		—			-6.4	0.75 Cu	10-15					SW	4-6			
1700							CHANGE PUMP (AH)										
1730							DEFROST FREEZER										
1800							CHANGE SEQUENCE										
1830																	
1900																	
1930																	
2000																	
2030																	
2100																	
2130																	
2200																	
2230																	
2300																	
2330																	322.04 + Δ
2400																	0.9794

HN

CARBON DIOXIDE DATA

S10 PIER
~~MAUNA LOA OBSERVATORY, HAWAII~~

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-6.26 (90)
315.65

	AL 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	-3.1		-			-3.1											
0100	-		-			-											
0130	-3.1		-			-3.1											
0200	-6.0		-6.0			-6.0											
0230	-5.7		-1.8			-3.8											
0300	-2.3		-2.3			-2.3											
0330	1.9		1.0			1.4											
0400	-		-6.2			-6.2											
0430	-7.1		-6.5			-6.8											
0500	-5.7		-6.2			-6.0											
0530	-7.0		-6.9			-7.0											
0600	-7.0		-6.9			-7.0											
0630	-5.3		-7.1			-6.2											
0700	-6.3		-7.5			-6.9											
0730	-6.7		-6.6			-6.6	0.7-0.8	10					W	~~[illegible]~~			
0800	-6.8		-			-6.8	CU							6-11			
0830	-7.2		-7.2			-7.2											
0900	-6.8		-6.8			-6.8											
0930	-7.0		-7.2			-7.1											
1000	-7.0		-7.0			-7.0											
1030	-7.0		-7.0			-7.0											
1100	-7.2		-7.1			-7.2											
1130	-6.9		-7.2			-7.0											
1200	-7.0		-7.4			-7.2											
1230	-7.5		-7.1			-7.3											
1300	-7.2		-7.4			-7.3											
1330	-7.2		-7.1			-7.2											
1400	-7.2		-7.3			-7.2											
1430	-7.5		-7.4			-7.4 ✓											
1500	-6.8		-7.2			-7.0											
1530	-7.1		-6.9			-7.0	1.0	10-					NW	7-			
1600	-7.1		-6.9			-7.0	CU	15						10			
1630	-7.4		-6.9			-7.2											
1700	-7.2		-7.2			-7.2											
1730	-7.1		-7.4			-7.2											
1800	-6.7		-6.2			-6.4											
1830	-7.0		-6.6			-6.8											
1900	-6.0		-6.1			-6.0											
1930	-5.8		-4.6			-5.2											
2000	-		-4.2			-4.2											
2030	-3.8		-7.0			-5.4											
2100	-7.0		-7.7			-7.4 ✓											
2130	-7.1		-7.1			-7.1											
2200	-7.2		-7.4			-7.3											
2230	-6.9		-6.8			-6.8											
2300	-6.5		-6.7			-6.6											
2330	-6.6		-6.4			-6.5											322.04 + 5
2400	-6.8		-6.7			-6.8											0.9794
	-6.6		-6.2														

CARBON DIOXIDE DATA

SIO PIER

~~MAUNA LOA OBSERVATORY, HAWAII~~

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-4.82 (-95)
3/7/12

	AL #1	AL #2	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
	-7.3	-6.4													
0030	-5.6	-4.7		-5.2											
0100	-1.1	-1.3		-1.2											
0130	-1.1	0.2		-0.4											
0200	0.8	1.8		1.3											
0230	3.2	4.0		3.6											
0300	-	-2.6		-2.6											
0330	-2.0	-1.3		-1.6											
0400	-0.8	1.5		0.4											
0430	2.9	-5.7		-1.4											
0500	-6.6	-7.0		-6.8											
0530	-5.0	-3.9		-4.4											
0600	-2.8	-0.7		-1.8											
0630	-1.0	-1.8		-1.4											
0700	-1.8	-1.7		-1.8											
0730	-1.0	-0.8		-0.9											
0800	-0.5	-0.8		-0.6											
0830	-1.8	-1.3		-1.6											
0900	-1.0	-0.3		-0.6											
0930	-0.5	-		-0.5	OVC										
1000	-1.8	-2.7		-2.2	0.9-1.0	5-7					NNW	4-6			
1030	-3.4	-4.1		-3.8											
1100	-3.5	-3.0		-3.2											
1130	-4.7	-6.3		-5.5											
1200	-7.2	-7.3		-7.2											
1230	-7.3	-7.3		-7.3											
1300	-6.8	-7.3		-7.0											
1330	-7.3	-7.0		-7.2											
1400	-8.0	-7.4		-7.7											
1430	-7.3	-7.8		-7.6											
1500	-7.3	-7.3		-7.3											
1530	-7.9	-8.0		-8.0											
1600	-7.0	-7.7		-7.4											
1630	-7.6	-7.5		-7.6											
1700	-7.9	-7.1		-7.5											
1730	-7.8	-8.2		-8.0											
1800	-7.5	-8.0		-7.8											
1830	-8.6	-7.9		-8.2	0.4	10-15					NW-W	7-11			
1900	-7.8	-7.9		-7.8											
1930	-7.5	-7.8		-7.6											
2000	-7.5	-7.9		-7.7											
2030	-7.6	-7.8		-7.7											
2100	-7.4	-7.8		-7.6											
2130	-7.4	-7.5		-7.4											
2200	-7.5	-7.6		-7.6											
2230	-7.4	-7.5		-7.4											
2300	-7.4	-7.7		-7.6											
2330	-7.7	-7.5		-7.6											322.04 + D
2400	-7.6	-7.4		-7.5											0.9794
	-2.8	-2.4													

CARBON DIOXIDE DATA

S10 PIER

~~MAUNA LOA OBSERVATORY, HAWAII~~

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

- 3.20 (93)

318.77

	AL L1	AL 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	-1.8		-5.5			-3.6											
0100	-5.9		-5.2			-5.6											
0130	-4.1		-2.7			-3.4											
0200	-1.6		-4.3			-3.0											
0230	-3.3		-3.2			-3.2											
0300	-3.2		—			-3.2											
0330	-3.2		-3.2			-3.2											
0400	-2.5		-2.2			-2.4											
0430	-2.5		-2.3			-2.4											
0500	-1.6		-1.5			-1.6											
0530	-5.0		-1.8			-3.4											
0600	-1.1		-0.8			-1.0											
0630	-0.2		0.0			-0.1											
0700	-0.3		0.9			0.3											
0730	0.8		0.7			0.8											
0800	0.5		1.0			0.8											
0830	0.8		2.2			1.0											
0900	4.4		8.6			6.5											
0930	6.6		2.7			4.6	OVC						NW	7-			
1000	3.4		5.2			4.3	1.0	46						10			
1030	4.3		5.3			4.8											
1100	4.8		5.2			5.0											
1130	5.1		4.2			4.6											
1200	4.8		5.7			5.2											
1230	—		-4.3			-4.3											
1300	-5.8		-5.8			-5.8											
1330	-5.7		-3.8			-4.6											
1400	2.3		-6.0			-1.8											
1430	—		-5.6			-5.6											
1500	-6.1		-6.3			-6.2											
1530	-6.5		-6.9			-6.7											
1600	-7.0		-7.4			-7.2											
1630	-7.3		-7.3			-7.3											
1700	-7.8		-6.7			-7.2											
1730	-8.2		-6.8			-7.5											
1800	-7.0		-6.9			-7.0											
1830	-6.9		-6.8			-6.8											
1900	-7.6		-7.3			-7.4											
1930	-7.2		-7.0			-7.1											
2000	-7.2		-6.8			-7.0											
2030	-7.1		-6.6			-6.8											
2100	-7.3		-7.5			-7.4											
2130	-7.6		-7.0			-7.3											
2200	-7.4		-6.5			-7.0											
2230	-7.3		-7.1			-7.2											
2300	-7.4		-6.8			-7.1											
2330	-7.2		-5.8			-6.5											322.04 + 5
2400	-6.5		-6.4			-6.4											6.9794
HN	-6.4		-6.2														

CARBON DIOXIDE DATA

SIO PIER

~~MAUNA LOA OBSERVATORY, HAWAII~~

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-3.73 (60)
318.23

	AL L1	AL 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																	
0100																	
0130																	
0200																	
0230																	
0300																	
0330							PEN STOPPED										
0400																	
0430																	
0500																	
0530																	
0600																	
0630																	
0700																	
0730							OVC	4.6					NW	3-4			
0800							STCU										
0830																	
0900	-0.7		-0.6			-0.6											
0930	-0.8		-2.0			-1.4											
1000	-1.9		-0.7			-1.3											
1030	0.5		0.9			0.7											
1100	1.5		3.5			2.5											
1130	3.8		4.8			4.3											
1200	-0.5		-0.6			-0.6											
1230	-0.6		-1.8			-1.2											
1300	-2.7		-2.2			-2.4											
1330	-1.3		-1.1			-1.2											
1400	-3.4		-4.8			-4.1											
1430	-5.8		-5.4			-5.6											
1500	-5.7		-5.9			-5.8											
1530	-5.5		-6.8			-6.2	OVC 1.0	5.7					NW	13-15			
1600	-6.3		-5.2			-5.8	STCU										
1630	-6.3		-5.8			-6.0											
1700	-6.9		-6.7			-6.8											
1730	-6.6		-7.0			-6.8											
1800	-7.2		-6.9			-7.0											
1830	-7.2		-6.9			-7.0											
1900	-7.2		-5.8			-6.5											
1930	-5.8		-4.0			-4.9											
2000	-4.8		—			-4.8											
2030	-4.0		-1.7			-2.8											
2100	—		1.0			1.0											
2130	-6.9		-6.4			-6.6											
2200	-7.2		-6.6			-6.9											
2230	-6.4		-5.6			-6.0											
2300	-5.6		-5.3			-5.4											
2330	-5.0		-5.6			-5.3											322.04 + 5
2400	-5.5		-4.7			-5.1											0.9794
	-5.2		—														

CARBON DIOXIDE DATA

SIO PIER
~~MAUNA LOA OBSERVATORY, HAWAII~~

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 _____ From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-6.21 (77)
315.70

	AH ~~1~~ 2	AL ~~3~~ 4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
	-5.8	-6.1													
0030	-5.4	—		-5.4											
0100	-5.6	-5.8		-5.7											
0130	-5.1	-5.0		-5.0											
0200	—	—		—											
0230	—	-4.4		-4.4											
0300	—	—		—											
0330	—	—		—											
0400	—	-4.4		-4.4											
0430	—	—		—											
0500	—	-4.5		-4.5											
0530	—	—		—											
0600	—	—		—											
0630	—	—		—											
0700	-6.1	-6.5		-6.3											
0730	—	—		—	0.9-1.0	10-15					SW	4-6			
0800	—	-6.5		-6.5											
0830	-6.4	-6.5		-6.4											
0900	-6.6	-6.0		-6.3											
0930	-6.3	-5.7		-6.0											
1000	-6.5	-5.3		-5.9											
1030	-5.8	-5.5		-5.6											
1100	-6.1	-5.5		-5.8											
1130	-6.0	-5.7		-5.8											
1200	-6.2	-5.2		-5.7											
1230	-5.8	-5.2		-5.5											
1300	-6.3	-6.3		-6.3											
1330	-7.2	-5.9		-6.6											
1400	-6.9	-5.8		-6.4											
1430	-6.8	-6.0		-6.9											
1500	-6.8	-6.5		-6.6											
1530	-6.9	-6.8		-6.8											
1600	-6.9	-6.6		-6.8											
1630	-7.2	-6.8		-7.0	0.9-1.0	10-15					SW	7-11			
1700	-7.3	-6.7		-7.0											
1730	-6.8	-6.8		-6.8											
1800	-6.6	-6.9		-6.8											
1830	-6.6	-6.7		-6.6											
1900	-6.9	-6.7		-6.8											
1930	-6.5	-6.4		-6.4											
2000	-6.5	-6.4		-6.4											
2030	-6.7	-6.4		-6.6											
2100	-6.7	-6.4		-6.6											
2130	-6.4	-6.5		-6.4											
2200	-6.9	-6.7		-6.8											
2230	-6.7	-6.5		-6.6											
2300	-6.8	-7.0		-6.9											
2330	-6.7	-6.9		-6.8											322.04 + 0
2400	-6.6	-6.8		-6.7											0.9794
	-6.6	-6.6													

CARBON DIOXIDE DATA

SIO PIER
~~MAUNA LOA OBSERVATORY, HAWAII~~

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-5.12 (78)
316.81

	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	-5.2		-5.6			-5.4											
0100	-4.6		-5.3			-5.0											
0130	-4.8		-4.9			-4.8											
0200	-4.4		-4.3			-4.4											
0230	-4.3		-4.8			-4.6											
0300	-3.9		-3.7			-3.8											
0330	-3.5		-3.6			-3.6											
0400	-3.1		-3.2			-3.2											
0430	-2.8		-3.1			-3.0											
0500	-3.1		-3.9			-3.5											
0530	-3.3		-3.9			-3.6											
0600	-3.8		-4.8			-4.3											
0630	-4.5		-5.1			-4.8											
0700	-4.9		-5.4			-5.2											
0730	-5.2		-5.3			-5.2	1.0	10-15					SE	4-6			
0800	-4.0		—			-4.0											DEFROST FREEZER
0830	—		—			-											
0900	—		—			-											
0930	—		—			-											
1000	—		—			-											
1030	—		—			-											
1100	—		-6.3			-6.3											
1130	-5.3		-5.8			-5.6											
1200	-5.7		-5.7			-5.7											
1230	-5.3		-5.7			-5.5											
1300	-5.6		-5.3			-5.4											
1330	-5.4		-5.3			-5.4											
1400	-5.5		-5.3			-5.4											
1430	-5.3		-5.3			-5.3											
1500	-5.2		-5.5			-5.4											
1530	-5.2		-5.1			-5.2	0.3	10-15					SW	7-11			
1600	-5.4		-5.4			-5.6											
1630	-5.2		—			-5.2											
1700	-5.6		-5.1			-5.8											
1730	-5.4		-5.7			-5.6											
1800	-5.6		-6.1			-5.8											
1830	-5.6		-6.0			-5.8											
1900	-6.7		-6.0			-6.4											
1930	-5.9		-6.0			-6.0											
2000	-5.6		-5.6			-5.6											
2030	-5.3		-5.7			-5.5											
2100	-5.6		-5.8			-5.7											
2130	-5.7		—			-5.7											
2200	—		-6.5			-6.5											
2230	—		-5.1			-5.1											
2300	-5.2		—			-5.2											
2330	—		—			—											322.04 + 5
2400	-5.8		-5.7			-5.8											0.9794
HN	—		-6.0														

CARBON DIOXIDE DATA

SIO PIER ~~MAUNA LOA OBSERVATORY, HAWAII~~

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-5.57 (82)
316.35

	AH ~~1~~ ~~2~~	AL ~~3~~ ~~4~~	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	—	-5.5		-5.5											
0100	—	-6.4		-6.4											
0130	-6.6	-6.0		-6.3											
0200	-5.3	-5.5		-5.4											
0230	-6.0	-5.0		-5.5											
0300	-4.4	-3.8		-4.1											
0330	—	-4.2		-4.2											
0400	-4.6	—		-4.6											
0430	-5.7	-5.7		-5.7											
0500	-4.4	-4.1		-4.2											
0530	-3.9	-4.0		-4.0											
0600	-3.5	-4.5		-4.0											
0630	-4.7	-4.9		-4.8											
0700	-5.1	-5.3		-5.2											
0730	-4.7	-5.2		-5.0	1.0	10-15					SW	7-11			
0800	-3.8	-3.7		-3.8											
0830	—	—		—											
0900	—	—		—											
0930	—	—		—											
1000	—	-6.0		-6.0											
1030	-5.9	-6.5		-6.2											
1100	-6.6	-6.5		-6.6											
1130	-6.3	-6.2		-6.2											
1200	-6.4	-6.3		-6.4											
1230	-6.5	-6.1		-6.3											
1300	-6.4	-6.2		-6.3											
1330	-6.5	-6.2		-6.4											
1400	-6.6	-6.0		-6.3											
1430	-6.8	-5.9		-6.4											
1500	-6.8	-5.7		-6.2											
1530	-6.5	-5.8		-6.2	0.8	10-15					W	12-16			
1600	-6.5	—		-6.5	St Cu										RESET ZERO
1630	-6.0	-6.6		-6.3											
1700	-6.3	-6.7		-6.5											
1730	-6.6	-6.7		-6.6											
1800	-6.5	-6.7		-6.6											
1830	-6.4	-6.5		-6.4											
1900	-6.4	-7.0		-6.7	✓										
1930	-6.4	-6.2		-6.3											
2000	-6.0	-6.2		-6.1											
2030	-6.2	-4.7		-5.4											
2100	-6.2	-4.8		-5.5											
2130	-5.0	-4.6		-4.8											
2200	-3.8	-3.2		-3.5											
2230	—	-5.3		-5.3											
2300	-6.0	-4.7		-5.4											
2330	-2.8	-5.3		-4.0											372.04 + 0
2400	—	-4.4		-4.4											0.9794
HN	-5.2	-5.5													

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ SIO PIER

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-5.21 (5)
316.72

	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																	PEN STOPPED
0100																	
0130																	
0200																	
0230																	
0300																	
0330																	
0400																	
0430																	
0500																	
0530																	
0600																	
0630																	
0700																	
0730							0	5-7	H				N	1-3			
0800																	
0830	–		-0.7			-0.7											
0900	-1.1		-1.3			-1.2											
0930	-1.5		-1.9			-1.7											
1000	-2.0		-2.9			-2.4											
1030	-9.1		-9.4			-9.2											
1100	-5.4		-5.0			-5.2											
1130	-6.5		-5.8			-6.2											
1200	-6.5		-5.8			-6.2											
1230	-6.4		-5.6			-6.0											
1300	-6.0		-6.4			-6.2											
1330	-7.0		-4.6			-5.8											
1400	-5.9		-5.2			-5.6											
1430	-5.8		-5.2			-5.6											
1500	-6.1		-5.4			-5.8											
1530	-6.5		-5.5			-6.0	0.7	8-					SW	7-			
1600	-7.1		-5.8			-6.4	STCU	10						11			
1630	-5.8		-5.6			-5.7											CHANGE PAPER
1700	-6.2		-5.8			-6.0											
1730	-5.9		-5.6			-5.8											
1800	-5.9		-5.4			-5.6											
1830	-5.5		-5.2			-5.4											
1900	–		–			–											DEFROST FREEZER
1930	–		–			–											
2000	–		–			–											
2030	–		–			–											
2100	–		–			–											
2130	–		–			–											
2200	-6.9		-7.1			-6.8											
2230	-6.9		-6.2			-6.3											
2300	-5.9		-6.4			-6.2											
2330	-5.3		-6.3			-5.8											322.04 + 0
2400	-6.6		-6.7			-6.6											0.9794
	-6.0		-6.5														

CARBON DIOXIDE DATA

S10 PIER

~~MAUNA LOA OBSERVATORY, HAWAII~~

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

4.07(86)
326.20

	AL	AH	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-	6.8		6.8											
0100	-	5.9		5.9											
0130	-	3.9		3.9											
0200	2.6	3.9		3.2											
0230	-	-0.8		-0.8											
0300	-0.9	-1.1		-1.0											
0330	2.2	5.5		3.8											
0400	9.6	9.3		9.4											
0430	-	6.1		6.1											
0500	-	7.5		7.5											
0530	-	6.9		6.9											
0600	7.4	7.8		7.6											
0630	-	7.7		7.7											
0700	4.1	6.7		5.4											
0730	5.7	7.5		6.6											
0800	5.5	6.6		6.0											
0830	5.2	6.0		5.6											
0900	5.0	-		5.0											
0930	4.6	6.4		5.5											
1000	6.0	5.7		5.8											
1030	3.3	7.0		5.2											
1100	5.5	6.2		5.8											
1130	5.1	5.8		5.4											
1200	2.0	5.1		3.6											
1230	7.5	8.2		7.8											
1300	6.9	8.0		7.4											
1330	5.5	6.2		5.8											
1400	5.7	4.8		5.2											
1430	5.2	5.1		5.2											
1500	4.8	5.1		5.0											
1530	3.6	4.4		4.0	O	5.7	H				O	-			
1600	2.6	-		2.6											
1630	AL	AL													New sequence
1700	-0.5	-2.8		-1.6											
1730	-3.6	-4.4		-4.0											
1800	-2.6	-4.4		-3.5											
1830	-3.6	-1.0		-2.3											
1900	-3.1	1.0		-1.0											
1930	0.0	2.2		1.1											
2000	2.9	2.5		2.7											
2030	1.9	1.4		1.6											
2100	-0.2	3.6		1.7											
2130	2.4	1.8		2.1											
2200	2.2	4.7		3.4											
2230	4.5	4.2		4.4											
2300	5.8	7.0		6.4											
2330	4.5	5.2		4.8											322.04 + D
2400	4.4	7.6		6.0											0.9794
HN	5.7	5.4													

CARBON DIOXIDE DATA

S10 PIER
~~MAUNA LOA OBSERVATORY, HAWAII~~

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-3.54 (90)
318.43

	AL I1	I2	AH I3	I4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-7.8		-7.2			-7.5											
0100	-7.8		-7.5			-7.6											
0130	-7.7		-7.4			-7.6											
0200	-7.5		-7.5			-7.5											
0230	-7.6		-7.5			-7.6											
0300	-7.5		-7.3			-7.4											
0330	-7.5		-7.2			-7.4											
0400	-7.6		-5.9			-6.8											jog in plot.
0430	-4.6		-5.0			-4.8											
0500	-3.8		-3.5			-3.6											
0530	-2.5		-3.5			-3.0											
0600	-0.5		-0.2			-0.4											
0630	-1.9		-2.2			-2.0											
0700	-2.5		-1.5			-2.0											
0730	-4.7		-5.3			-5.0											
0800	-6.7		-5.9			-6.3											
0830	-7.2		-5.3			-6.2											
0900	-7.2		-5.7			-6.4	secondary wave										
0930	-6.8		-5.2			-6.0											
1000	-6.7		-5.1			-5.9											
1030	-6.7		-4.8			-5.8											
1100	-6.1		-4.3			-5.2											
1130	-6.0		-4.7			-5.4											
1200	-6.5		-4.3			-5.4											
1230	-6.0		-5.2			-5.6											
1300	-5.9		-4.3			-5.1											
1330	-5.6		-3.9			-4.8											
1400	-5.7		-4.0			-4.8											
1430	-6.1		-3.7			-4.9											
1500	-5.3		-4.0			-4.6											
1530	-5.8		-4.3			-5.0											
1600	-4.2		-2.6			-3.4											
1630	-4.0		-2.8			-3.4											
1700	—		-2.0			-2.0											
1730	—		-5.0			-5.0	0	5-6	H				NNW	10/12			
1800	-5.8		-5.8			-5.8											
1830	-5.7		-4.8			-5.2											
1900	-2.4		-1.8			-2.1											
1930	-1.8		-1.7			-1.8											
2000	-1.2		-0.0			-0.6											
2030	—		3.9			3.9											
2100	—		3.5			3.5											
2130	—		3.3			3.3											
2200	—		1.4			1.4											
2230	—		0.7			0.7											
2300	1.2		2.0			1.6											
2330	1.4		2.4			1.9											322.04 + 0
2400	2.1		2.9			2.5											0.9794
HN	—		4.8			4.8											

CARBON DIOXIDE DATA

S10 PIER

~~MAUNA LOA OBSERVATORY, HAWAII~~

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

5.44 (62)
327.59

	~~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	5.1		8.0			6.6											
0100	8.8		7.1			7.9											
0130	9.8		5.5			7.6											
0200	8.3		7.0			7.6											
0230	7.9		7.2			7.6											
0300	7.7		5.5			6.6											
0330	6.9		7.0			7.0											
0400	6.8		6.7			6.8											
0430	7.1		7.3			7.2											
0500	6.8		6.3			6.6											
0530	8.6		5.6			7.1											
0600	—		—			—											
0630	7.4		4.4			5.9											
0700	5.9		4.4			5.2											
0730	5.4		7.2			6.3											
0800	7.1		8.4			7.8											
0830	9.9		8.2			9.0											
0900	8.9		8.4			8.6											
0930	9.1		8.8			9.0											
1000	8.0		8.5			8.2											
1030	8.9		8.7			8.8											
1100	7.4		—			7.4											
1130	3.8		3.6			3.7											
1200	3.4		1.7			2.6											
1230	3.4		4.1			3.8											
1300	4.8		4.5			4.6											
1330	4.0		4.4			4.2											
1400	4.6		4.4			4.5											
1430	3.8		3.8			3.8											
1500	1.9		—			1.9											
1530	1.9		4.0			3.0	0.1 Ci	5.7	H				NW	2-4			
1600	2.3		-2.6			-0.2											
1630	—		-3.7			-3.7											
1700	-3.4		—			-3.4											
1730							Pen Stopped										
1800																	
1830																	
1900																	
1930																	
2000																	
2030																	
2100																	
2130																	
2200																	
2230																	
2300																	
2330																	322.04 + 5
2400																	0.9794

HN

CARBON DIOXIDE DATA

SIO PIER

~~MAUNA LOA OBSERVATORY, HAWAII~~

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-5.55 (98)

376.37

	AL ~~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	-2.5		-1.8			-2.2											
0100	-1.7		-2.4			-2.0											
0130	-0.7		-2.2			-1.4											
0200	-2.3		-2.0			-2.2											
0230	-1.0		0.2			-0.4											
0300	-3.0		-2.0			-2.5											
0330	-6.7		-5.9			-6.3											
0400	-6.3		-6.0			-6.2											
0430	-6.9		-6.6			-6.8											
0500	-6.0		-4.5			-5.2											
0530	-5.9		-6.4			-6.2											
0600	-6.3		-5.0			-5.6											
0630	-2.4		-3.0			-2.7											
0700	-4.3		-4.0			-4.2											
0730	-3.9		-5.7			-4.8											
0800	-6.1		-5.6			-5.8											
0830	-6.5		-5.7			-6.1											
0900	-5.7		-4.2			-5.0											
0930	-6.0		-5.6			-5.8											
1000	-6.6		-6.5			-6.6											
1030	-7.0		-6.0			-6.5											
1100	-7.0		-6.1			-6.6											
1130	-7.4		-6.3			-6.8											
1200	-6.7		-5.7			-6.2											
1230	-6.8		-6.0			-6.4											
1300	-6.3		-5.7			-6.0											
1330	-6.4		-5.1			-5.8											
1400	-6.6		-6.8			-6.7											
1430	-6.5		-6.1			-6.3											
1500	-6.9		-6.3			-6.6											
1530	-6.8		-6.0			-6.4											
1600	-6.6		-6.0			-6.3											
1630	-6.9		-6.2			-6.6	0.7 Cu	10-					NW	10-			
1700	-6.5		-5.8			-6.6	5.3	12						12			
1730	-5.0		-4.9			-5.0											
1800	-5.5		-5.0			-5.2											
1830	-5.5		-4.2			-4.8											
1900	-5.3		-4.5			-4.9											
1930	-5.4		-5.3			-5.3											
2000	-6.5		-5.0			-5.8											
2030	-6.5		-6.0			-6.2											
2100	-6.8		-6.0			-6.4											
2130	-6.8		-6.3			-6.6											
2200	-6.8		-6.9			-6.8											
2230	-7.5		-7.3			-7.4											
2300	-7.4		-7.1			-7.2											
2330	-7.5		-7.2			-7.4											322.04 + U
2400	-7.8		-7.3			-7.6											0.9994
	-7.8		-7.1			-7.4											

-6.0 -7.6

-9.6

CARBON DIOXIDE DATA

~~MAUNA LOA OBSERVATORY, HAWAII~~ S10 PIER

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

-2.79 (-96)

319.19

	AL L1	AL 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	-0.7		0.6			-0.1											
0100	0.4		4.2			2.3											
0130	4.2		3.2			3.7											
0200	5.0		2.9			4.0											
0230	2.4		-0.7			0.9											
0300	-1.3		2.3			0.5											
0330	-1.0		1.1			0.1											
0400	0.4		-1.3			-0.5											
0430	-2.5		-2.0			-2.2											
0500	-2.6		-1.8			-2.2											
0530	-1.4		-1.5			-1.5											
0600	-2.2		-2.5			-2.4											
0630	-3.3		-3.4			-3.4											
0700	-1.9		-0.8			-1.4											
0730	-0.7		-0.0			-0.4											
0800	-2.0		-1.1			-1.6											
0830	-2.9		-0.8			-1.9											
0900	-4.4		-2.8			-3.6											
0930	-4.4		-3.0			-3.7											
1000	-4.9		-3.3			-4.1											
1030	-1.5		-1.9			-1.7											
1100	-3.5		-2.4			-3.0											
1130	-3.3		-0.2			-1.8											
1200	+0.3		1.5			0.9											
1230	-1.3		-1.2			-1.2											
1300	-2.4		-2.2			-2.3											
1330	-4.1		-4.5			-4.3											
1400	-6.2		-5.0			-5.8											
1430	-5.5		-4.5			-5.0											
1500	-5.1		-4.0			-4.6											
1530	-4.4		-5.0			-4.7	0.1-0.2 Ci	10					WNW	10			
1600	-6.0		-5.2			-5.6	0.2 STCU	12						12			
1630	-6.6		-5.5			-6.0											
1700	-7.0		-5.4			-6.2											
1730	-5.8		-5.0			-5.4											
1800	-6.0		-6.0			-6.0											
1830	-7.5		-6.3			-6.9											
1900	-6.4		-6.0			-6.2											
1930	-6.3		-5.8			-6.0											
2000	-6.4		-6.4			-6.4											
2030	-6.7		-6.5			-6.6											
2100	-6.7		-6.2			-6.4											
2130	-3.0		-1.9			-2.4											
2200	-4.0		-4.0			-4.0											
2230	-2.5		-2.0			-2.2											
2300	-2.9		-3.0			-3.0											
2330	-2.8		-1.6			-2.2											322.04 + 0
2400	-2.4		-2.6			-2.5											0.9794

HN

CARBON DIOXIDE DATA

S10 PIER
~~MAUNA LOA OBSERVATORY, HAWAII~~

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

- 2.03(96) -
319.97

	AH 1-2	AL 3-4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-0.1	+1.0		+0.5											
0100	+0.6	0.6		0.6											
0130	0.3	0.5		0.4											
0200	-0.1	1.4		0.7											
0230	0.8	0.7		0.8											
0300	1.4	3.7		2.6											
0330	3.3	2.2		2.8											
0400	2.0	1.5		1.8											
0430	2.5	2.5		2.5											
0500	2.7	2.7		2.7											
0530	1.9	2.4		2.2											
0600	1.6	0.5		1.1											
0630	1.3	1.7		1.5											
0700	1.5	-0.4		0.6											
0730	-0.1	-1.5		-0.8											
0800	-1.9	-2.4		-2.2											
0830	-1.3	-0.6		-1.0											
0900	-0.5	-1.3		-0.9											
0930	-1.3	-2.2		-1.8											
1000	-0.4	-0.5		-0.5											
1030	-0.2	2.5		1.2											
1100	2.4	3.2		2.8											
1130	2.9	2.8		2.9											
1200	2.4	1.8		2.1											
1230	0.8	-1.1		-0.2											
1300	-1.8	-2.5		-2.2											
1330	-3.4	-3.5		-3.5											
1400	-5.0	-4.8		-4.9											
1430	-5.4	-6.6		-6.0											
1500	-7.0	-6.4		-6.7											
1530	-7.4	-6.3		-6.9											
1600	-6.8	-6.3		-6.6											
1630	-7.5	-6.5		-7.0											
1700	-6.5	-6.4		-6.5											AL reversed with AH
1730	-6.5	-6.4		-6.5	0	12+					NW	8-			
1800	-7.1	-6.1		-6.6		18						10			
1830	-6.5	-6.2		-6.4											
1900	-6.7	-6.3		-6.5											
1930	-7.0	-6.8		-6.9											
2000	-6.9	-5.0		-6.0											
2030	-4.2	-3.9		-4.1											
2100	-1.6	-0.4		-1.0											
2130	-1.5	-2.1		-1.8											
2200	-6.4	-5.5		-6.0											
2230	-5.7	-5.3		-5.5											
2300	-5.8	-5.5		-5.7											
2330	-5.6	-5.0		-5.3											322.04 + 0
2400	-2.1	-0.4		-1.3											0.9794

HN

CARBON DIOXIDE DATA STATION S10 Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-3.83 (98)

378.13

	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	-7.7		-6.2			-7.0											
0100	-6.6		-6.0			-6.3											
0130	-6.5		-3.8			-5.2											
0200	-4.0		-3.5			-3.8											
0230	-3.9		-2.6			-6.3											
0300	-3.6		-4.0			-3.8											
0330	-3.7		-4.5			-4.1											
0400	-3.7		-2.3			-3.0											
0430	0.0		+1.1			0.6											
0500	-1.3		-1.7			-1.5											
0530	-1.3		-3.7			-2.5											
0600	-2.2		-0.7			-1.5											
0630	+1.1		+0.5			0.8											
0700	-1.1		2.0			0.5											
0730	-2.3		-2.0			-2.2											
0800	-1.8		-2.3			-2.1											
0830	-4.8		4.3			-0.3	0.3 Sc+As	6-8					SW	6-8			
0900	~~6.6~~		4.1			~~5.2~~	4.4										
0930	-5.3		-5.0			-5.2											
1000	-5.0		-5.1			-5.1											
1030	-5.9		-5.0			-5.5											
1100	-5.4		-4.9			-5.2											
1130	-5.7		-5.9			-5.6											
1200	-6.8		-6.2			-6.5											
1230	-7.0		-6.4			-6.7											
1300	-7.1		-5.8			-6.5											
1330	-6.5		-5.7			-6.1											
1400	-6.7		-6.4			-6.6											
1430	-7.7		-6.2			-7.0											
1500	-7.1		-5.8			-6.5											
1530	-6.8		-6.0			-6.4											
1600	-5.3		-3.4			-4.4											
1630	-5.3		-4.3			-4.8		10-12					NW	10-12			
1700	-4.4		-4.2			-4.3	CU										
1730	-5.2		-4.5			-4.9											
1800	-5.9		-5.2			-5.6											
1830	-6.3		-5.5			-5.9											
1900	-6.3		-5.5			-5.9											
1930	-6.0		-5.8			-5.9											
2000	-6.0		-5.7			-5.9											
2030	-6.5		-6.0			-6.3											
2100	-6.3		-5.8			-6.1											
2130	-6.4		-5.5			-6.0											
2200	-4.4		-2.3			-3.4											
2230	-0.4		-1.3			-0.9											
2300	-2.2		-0.5			-1.4											
2330	-0.6		+1.8			+0.6											372.04 ± 0
2400	-0.2		+1.8			+0.8											0.9774
	-0.2		-0.2			-0.2											

Extra AH 4.8

CARBON DIOXIDE DATA STATION 510 Pier Sheet No. _____

Span _____ Zero _____ Freezer Temp. _____ Date March 26, 1989

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

+0.34 (62)

322.39

	AH	AL	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	+2.0	+3.6		2.8											
0100	+1.9	+1.9		1.9											
0130	+0.1	+2.0		1.1											
0200	+2.0	+16.0		9.0											
0230	+15.9	+10.5		13.2											
0300	+9.9	+10.3		10.1											
0330	+8.9	+5.6		7.3											
0400	+6.8	+6.7		6.8											
0430	+6.1	+6.2		6.2											
0500	+7.0	+4.6		5.8											
0530	+3.8	+3.8		3.8											
0600	+3.8	+6.0		4.9											
0630	+5.2	+2.7		4.0											
0700	+3.3	+1.4		2.4											
0730	+1.6	+2.2		1.9	0.1	5-7	H				SE	1-2			
0800	+1.2	+0.4		1.3	Ac										
0830	+1.6	—		1.6											Ref. Gas Test
0900															
0930															
1000															
1030															
1100															
1130															
1200															
1230															
1300															
1330															
1400															
1430															
1500															
1530															
1600															
1630					0.4 Sc	10-					WNW	12-			
1700	—	-4.5		-4.5	0.3 C.	12						14			
1730	-6.4	-5.5		-6.0											
1800	-6.3	-5.9		-6.1											
1830	-6.2	-5.5		-5.9											
1900	-6.2	-5.3		-5.8											
1930	-6.0	2.6		-1.7											
2000	-2.5	-1.2		-1.9											
2030	-1.2	-1.5		-1.4											
2100	-2.7	-1.7		-2.2											
2130	-2.6	-6.0		-4.3											
2200	-6.7	-6.0		-6.4											
2230	-6.6	-6.3		-6.5											
2300	-7.1	-6.3		-6.7											
2330	-6.6	-6.3		-6.5											372.04 + 0
2400	-7.0	-7.3		-7.2											0.8794

HN

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

Span _____ Zero _____ Freezer Temp. _____ Date March 25, 1969

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 58 64 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-.82 (98)
321.20

	AH Δ	AH Δ	AL Δ	AL Δ	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	+9.0		+2.4			5.7											
0100	+1.2		+1.3			1.3											
0130	-0.5		+0.1			-0.2											
0200	+0.2		+0.5			0.4											
0230	-0.2		-0.2			-0.2											
0300	-0.7		-1.2			-1.0											
0330	0.0		-0.3			-0.2											
0400	-0.5		-1.2			-0.8											
0430	0.0		+0.8			0.4											
0500	+0.3		+0.3			0.3											
0530	-1.8		+0.8			1.3											
0600	+1.7		+1.7			1.7											
0630	+0.7		+1.2			1.0											
0700	+0.5		+1.1			0.9											
0730	+0.5		0.0			0.3	<0.1						E-SE	1-5			
0800	-1.0		-1.5			-1.3	Cs	6-8	H								
0830	-2.0		-2.2			-2.1											
0900	-3.3		-2.9			-3.1											
0930	-4.1		-3.7			-3.9											
1000	-4.4		-2.6			-3.5											
1030	-3.7		-2.1			-2.9											
1100	-3.6		-4.4			-4.0											
1130	-5.0		-4.2			-4.6											
1200	-5.0		-3.8			-4.4											
1230	-5.5		-3.5			-4.5											
1300	-4.7		-3.2			-4.0											
1330	-4.0		-2.7			-3.4											
1400	-4.4		-2.7			-3.6											
1430	-3.9		-3.2			-3.6											
1500	-2.9		-3.0			-3.0											
1530	-4.0		-1.2			-2.6	0.1						WNW	4-6			
1600	-3.2		-2.0			-2.6	Ci	6-8	H								
1630	-2.6		-0.6			-1.6											
1700	-2.0		-0.7			-1.4											
1730	-1.2		-1.0			-1.1											
1800	-1.2		-1.2			-1.2											
1830	-1.9		-1.4			-1.7											
1900	-1.9		-1.6			-1.8											
1930	-2.0		-1.8			-1.9											
2000	-2.5		-1.9			-2.2											
2030	+0.2		+3.3			1.8											
2100	+2.6		+2.8			2.7											
2130	+1.0		+1.8			1.4											
2200	+0.8		+2.8			1.8											
2230	+1.8		0.0			0.9											
2300	+0.3		+1.7			1.0											
2330	+0.5		+2.0			1.3											322.04 + σ
2400	+1.0		+3.6			2.3											0.2294
ex	+3.2		+7.8			5.5											

CARBON DIOXIDE DATA STATION 510 Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank ~~58~~ 58 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

-5.14 (-9.1)
316.79

	AH 7	AH 12	AL 2	AL 4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-8.6		-7.1			-7.9											
0100	-9.1		-7.4			-8.3											
0130	-8.3		-7.0			-7.7											
0200	-8.8		-6.3			-7.6											
0230	-8.2		-6.2			-7.2											
0300	-7.6		-6.4			-7.0											
0330	-7.2		-5.7			-6.5											
0400	-7.8		-5.5			-6.7											
0430	-7.3		-6.2			-6.8											
0500	-7.5		-5.5			-6.5											
0530	-7.2		-5.5			-6.4											
0600	-6.8		-5.7			-6.3											
0630	-6.6		-5.1			-5.9											
0700	-6.8		-3.8			-5.3											
0730	-6.2		-3.8			-5.0	0.2	20-					NW	20-			
0800	-4.5		-2.8			-3.7	CU	25						25			
0830																	defrost FO trap
0900																	
0930	—		-5.9			-5.9											
1000	-6.4		-5.8			-6.1											
1030	-6.1		-5.4			-5.8											
1100	-6.3		-5.2			-5.8											
1130	-5.6		-4.9			-5.3											
1200	-5.6		-5.5			-5.6											
1230	-6.2		-5.4			-5.8											
1300	-5.5		-4.8			-5.2											
1330	-5.3		-4.9			-5.1											
1400	-5.8		-5.5			-5.7											
1430	-6.0		-5.6			-5.8											
1500	-6.2		-5.3			-5.8											
1530	-6.1		-5.6			-5.9	0	15-					NW	14-			
1600	-6.4		-5.7			-6.1		20						18			
1630	-6.5		-5.6			-5.6											
1700	-6.5		-5.5			-6.0											
1730	-6.7		-5.9			-6.3											
1800	-7.1		-6.0			-6.6											
1830	-7.0		-5.8			-6.4											
1900	-7.2		-6.2			-6.7											
1930	-7.5		-6.2			-6.9											
2000	-7.2		-6.5			-6.9											
2030	-7.0		-6.5			-6.8											
2100	-7.4		-6.4			-6.9											
2130	-7.4		-2.5			-5.0											
2200	-3.2		+2.5			0.4											
2230	+1.7		+0.1			0.9											
2300	+1.0		+5.2			3.1											
2330	+6.0		+2.6			4.3											322.04 + 5
2400	+3.6		+2.2			7.9											0.9794

HN

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 59 _____ From Ref tank test of _____

Tank Press. _____ psI Obs. _____

54 → 5.51 (35)

58 → -8.09 (27)

	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	-5.7		-5.6			-5.7											54 315.04 (35)
0100	-5.3		-5.7			-5.5											
0130	-5.8		-5.7			-5.8											58 313.78 (27)
0200	-6.0		-5.7			-5.9											
0230	-6.0		-5.4			-5.7											314.49
0300	-6.0		-5.5			-5.8											
0330	-5.8		-5.8			-5.8											
0400	-6.0		-5.7			-5.9											
0430	-5.8		-2.5			-4.7											
0500	-2.2		-5.4			-3.8											
0530	-5.8		-5.4			-5.6											
0600	-5.7		-5.5			-5.6											
0630	-5.4		-5.4			-5.4											
0700	-5.6		-5.7			-5.7											
0730	-5.8		-5.4			-5.6	0.7	15-					WNW	8-			
0800	-5.7		-5.5			-5.6	Sc	20						10			
0830	-5.4		-5.3			-5.4											
0900	5.7					5.7											
0930																	Shut down to Clean
1000																	Co Air Lines
1030																	
1100																	
1130							54										
1200																	
1230																	
1300																	
1330																	
1400																	
1430																	
1500							58										
1530																	
1600																	
1630							0.8	15-	H				W	10-			
1700							Cu	25						15			
1730			-6.3			-6.3											54 → 58
1800	-7.7		-6.6			-7.2											
1830	-8.2		-7.0			-7.6											
1900	-8.3		-7.5			-7.9											
1930	-7.7		-7.3			-7.5											
2000	-8.4		-8.4			-8.4											
2030	-8.7		-8.1			-8.4											
2100	-8.8		-7.5			-8.2											
2130	-8.8		-8.4			-8.6											
2200	-10.0		-9.5			-9.8											
2230	-11.4		-7.8			-9.6											54 320.77 + σ / 0.9617
2300	-8.8		-7.4			-8.1											
2330	-8.3		-7.2			-7.8											58 322.04 + σ / 0.9794
2400	-8.7		-7.2			-7.9											

HN

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

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

Tank Press. _____ psI Obs. _____

- 3.01 (94)
317.64

	AH	AL	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	+4.7	+2.2		3.5											
0100	+1.2	+1.7		1.5											
0130	+9.4	-9.6		-0.1											
0200	-4.5	-4.7		-4.6											
0230	-4.6	-4.7		-4.7											
0300	-5.1	-4.6		-4.9											
0330	-4.8	-4.7		-4.8											
0400	-4.9	-5.8		-5.4											
0430	-3.2	+7.9		2.4											
0500	+3.8	+4.7		4.3											
0530	+8.4	+9.6		9.0											
0600	+10.2	+8.9		9.6											
0630	+6.2	+4.5		5.4											
0700	+0.6	-1.3		-0.3											
0730	+11.0	+1.0		6.0											
0800	+1.4	-2.0		-0.3											
0830	-2.3	-1.7		-2.0											
0900	-2.2	-4.6		-3.4											
0930	-4.8	-4.7		-4.8											
1000	-5.7	-4.8		-5.3											
1030	4.9	-4.7		0.1											
1100	-5.0	-4.9		-5.0											
1130	-5.0	-5.0		-5.0											
1200	-5.1	-5.1		-5.1											
1230	-5.4	-5.2		-5.3											
1300	-5.3	-5.2		-5.3											
1330	-5.2	-5.1		-5.2											
1400	-5.1	-5.3		-5.2											
1430	-5.4	-5.5		-5.5											
1500	-5.8	-5.2		-5.5											
1530	-5.7	-5.3		-5.5											
1600	-5.7	-5.5		-5.6											
1630	-5.5	-5.2		-5.4											
1700	-5.7	-4.8		-5.3											Chart Paper
1730	-5.5	-5.4		-5.5		10-15						15-20			
1800	-6.1	-5.5		-5.8	CU						WNW				
1830	-5.8	-5.8		-5.8											
1900	-5.7	-5.4		-5.6											
1930	-5.7	-5.8		-5.8											
2000	-5.7	-5.5		-5.6											
2030	-3.5	-5.7		-4.6											
2100	-5.9	-5.6		-5.8											
2130	-5.7	-5.8		-5.8											
2200	-5.8	-5.7		-5.8											
2230	-5.9	-5.7		-5.9											
2300	-6.2	-5.7		-6.0											
2330	-6.0	-5.4		-5.7											320.77 + 0 / 0.9617
2400	-														

HN

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

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

Tank Press. _____ psI Obs. _____

+3.10 (84)

323.99

	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	6.7		9.0			7.9											
0100	7.2		5.6			6.4											
0130	6.0		5.9			6.0											
0200	6.4		4.7			5.6											
0230	6.2		6.8			6.5											
0300	6.3		6.3			6.3											
0330	6.4		6.6			6.5											
0400	4.4		6.1			5.3											
0430	3.0		8.7			5.9											
0500	7.6		6.7			7.2											
0530	4.5		3.2			4.4											
0600	2.2		3.6			2.9											
0630	4.6		4.0			4.3											
0700	3.5		3.2			3.4											
0730	2.4		2.3			2.4											
0800	8.1		13.4			10.8											
0830	14.0		13.3			13.7											
0900	12.2		11.3			11.8											
0930	9.9					9.9											Power off
1000																	
1030																	
1100																	
1130																	
1200																	
1230			-3.5			-3.5											
1300	-1.5		-3.4			-2.5											
1330	-3.0		-2.5			-2.8											
1400	-4.3		-4.0			-4.2											
1430	-4.3		-4.1			-4.2											
1500	-4.3		-4.3			-4.3											
1530	-4.9		-4.5			-4.7											
1600	-4.3		-3.6			-4.0											
1630	-3.0		-4.1			-3.6											
1700	-4.2		-0.4			-2.3											
1730	-0.7		1.5			-1.4		10					~~wind~~	~~15~~ 20			
1800	-0.9		-1.7			-1.3	←	15									
1830	3.7		1.6			2.7											
1900	-4.6		4.5			-0.1											
1930	-0.8		+0.8			0.0											
2000	0.5		1.2			0.9											
2030	0.1		1.5			0.8											
2100	2.3		6.8			4.6											
2130	8.8		7.6			8.2											
2200	8.2		5.4			6.8											
2230	7.3		7.7			7.5											
2300	4.4		4.1			4.3											
2330	5.4		5.4			5.4											320.77 + 5
2400	5.1		2.7			3.9											0.9617

HN

CARBON DIOXIDE DATA STATION 510 Pier Sheet No. _____

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

One ordinate - _____ ppm

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

Tank Press. _____ psI Obs. _____

2,32 (65)
323.18

	AH L1	L2	AL L2	L1	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							0.7	3-4	H				NNE	1			
0800							As + Ci										
0830			+3.6			3.6											
0900	+5.0		+5.9			5.5											
0930	+6.3		5.6			6.0											
1000	+5.5		+5.7			5.6											
1030	+5.7		+5.4			5.6											
1100	+5.2		+4.3			4.8											
1130	+1.4		+1.5			1.5											
1200	+0.3		+0.8			0.6											
1230	+0.2		+0.8			0.5											
1300	-0.3		-0.1			-0.2											
1330	-1.2		-0.7			-1.0											
1400	-1.3		-1.2			-1.3											
1430	-1.7		-0.8			-1.3											
1500	+0.7		+0.9			0.8											
1530	-0.2		-0.8			-0.5	0.8	5-6	H				SW	3-5			
1600	-1.0		-0.5			-0.8	Ci + Cs										
1630	-0.9		-1.3			-1.1											
1700	-1.6		+1.6			0.0											
1730	-1.2		-2.0			-1.6											
1800	-1.2		-2.8			-2.0											
1830	-1.7		-1.1			-1.4											
1900	+0.4		+1.2			0.8											
1930	+3.2		+2.5			2.9											
2000	+2.8		+3.5			3.2											
2030	+3.7		+3.5			3.6											
2100	+4.8		+4.8			4.8											
2130	+6.2		+5.0			5.6											
2200	+5.7		+6.0			5.9											
2230	+2.2		+2.8			2.5											
2300	+2.2		+4.4			3.3											
2330	+6.5		+6.4			6.5											32077 + 0
2400	+5.5		+4.6			5.1											0.9617
Ex	+6.2		+6.4			6.3											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

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

Tank Press. _____ psi Obs. _____

-3.28 (70)
317.36

	AH ~~1~~	~~2~~	AL ~~3~~	~~4~~	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-5.0		-3.6			-4.3											
0100	-1.5		-4.2			-2.9											
0130	-1.8		-3.2			-2.5											
0200	-2.7		+0.2			-1.3											
0230	0.3		0.5			0.4											
0300	1.4		2.8			2.1											
0330	2.0		0.8			1.4											
0400	1.7		-0.2			0.8											
0430	-1.4		0.2			-0.6											
0500	-0.8		-1.0			-0.9											
0530	-1.3		-1.5			-1.4											
0600	-2.3		-2.3			-2.3											
0630	-3.0		-4.5			-3.8											
0700	-3.8		-4.0			-3.9											
0730	-4.0		-4.2			-4.1	0.6	8-					N	1-2			
0800	-4.1		-4.7			-4.4	Ci + Cs	10									
0830	-4.5		-4.1			-4.3											
0900	-4.4		-5.2			-4.8											
0930	-4.5		-4.7			-4.6											
1000	-4.4		-4.6			-4.5											
1030	-4.1		-3.8			-4.0											
1100	-3.9		-3.9			-3.9											
1130	-2.6		-1.8			-2.2											
1200	-2.5		-2.5			-2.5											
1230	-3.0		-3.4			-3.2											
1300	-3.5		-3.4			-3.5											
1330	-4.0		-4.2			-4.1											
1400	-4.9		-4.8			-4.9											
1430	-5.3		-4.8			-5.1											
1500	-4.8		-4.0			-4.4											
1530	-5.0		-5.0			-5.0											
1600	-4.0		-5.2			-4.6											
1630	-5.4		-5.6			-5.5	0.7	10-					NW	7-9			
1700	-5.5		-5.2			-5.4	As + Ci	12									
1730	-5.1		5.8			-5.5											
1800																	Pen Point Clogged
1830																	
1900																	
1930																	
2000																	
2030																	
2100																	
2130																	
2200																	
2230																	
2300																	
2330																	320.77 + 5
2400																	0.9617

HN

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

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

Tank Press. _____ psI Obs. _____

-1.14 (93)

319.58

	AH L1	AH L2	AL L1	AL L2	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	2.3		4.6			3.4											
0100	7.5		6.2			6.8											
0130	7.5		3.3			5.4											
0200	3.3		2.8			3.0											
0230	3.8		3.8			3.8											
0300	3.6		3.4			3.5											
0330	1.4		0.4			0.9											
0400	1.7		16.8			9.2											
0430	12.4		9.5			11.0											
0500	8.4		10.0			9.4											
0530	4.5		3.6			4.0											
0600	3.1		5.6			4.4											
0630	10.5		7.2			8.8											
0700	6.4		2.5			4.4											
0730																	New Chart Paper
0800																	
0830			-1.7			-1.7	0.5 Ac	6-8					WSW	1-2			
0900	-1.2		-2.9			-2.1											
0930	-5.2		-5.3			-5.3											
1000	-5.7		-3.4			-4.6											
1030	0.6		-2.7			-1.1											
1100	-2.9		-4.4			-3.7											
1130	-3.0		-4.1			-3.6											
1200	-3.5		-3.6			-3.6											
1230	-6.2		-6.0			-6.1											
1300	-5.9		-5.8			-5.9											
1330	-5.9		-5.8			-5.9											
1400	-6.1		-5.8			-6.0											
1430	-5.8		-5.4			-5.6											
1500	-6.0		-5.5			-5.8											
1530	-5.7		-5.8			-5.8	0.8 Ac+Sc	12-15					WSW	6-8			
1600	-5.8		-5.6			-5.7											
1630	-5.5		-5.5			-5.5											
1700	-6.0		-5.6			-5.8											
1730	-5.2		-5.5			-5.4											
1800	-5.6		-5.8			-5.7											
1830	-5.8		-5.8			-5.8											
1900	-5.8		-5.7			-5.8											
1930	-5.5		-5.1			-5.3											
2000	-4.7		-3.4			-4.1											
2030	-3.6		-4.2			-3.9											
2100	-1.6		-3.5			-2.6											
2130	0.0		-0.5			-0.3											
2200	-2.2		-4.7			-3.5											
2230	-5.6		-5.6			-5.6											
2300	-5.7		-5.3			-5.5											
2330	-5.1		-5.4			-5.3											320.77 + 0
2400	5.7		5.4			+5.6											0.9617
Ex	+5.4		5.4			+5.4											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

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

Tank Press. _____ psi Obs. _____

1.23 (98)
322.04

	AH L1 0.7	AH L2	AG L3 0.5	AG L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-1.2		-0.3			-0.8											
0100	1.5		1.5			1.5											
0130	1.1		-1.7			-0.3											
0200	0.7		-0.5			0.1											
0230	1.2		2.3			1.8											
0300	3.8		2.6			3.2											
0330	3.1		3.0			3.0											
0400	2.8		4.6			3.7											
0430	2.3		2.7			2.5											
0500	2.9		3.0			3.0											
0530	3.4		1.5			2.4											
0600	0.8		2.6			1.7											
0630	1.1		1.9			1.5											
0700	1.5		1.9			1.7											
0730	0.9		1.4			1.2											
0800	2.2		2.7			2.4											
0830	2.1		2.1			2.1	0.7	12-					NW	2-3			
0900	2.7		2.6			2.6	ST	15									
0930	2.0		2.5			2.2											
1000	1.4		2.1			1.8											
1030	2.0		2.1			2.0											
1100	2.2		1.9			2.0											
1130	1.5		1.3			1.4											
1200	2.8		3.2			3.0											
1230	3.3		3.4			3.4											
1300	5.5		6.2			5.8											
1330	5.7		5.3			5.5											
1400	3.2		3.0			3.1											
1430	3.0		2.3			2.6											
1500	2.4		3.2			2.8											
1530	3.3		3.2			3.2											
1600	3.7		2.2			3.0											
1630	1.2		-1.1			0	0.8	7-9				*	NW	1-2			
1700	-1.3		-1.7			-1.5	ST										
1730	-2.1		-2.7			-2.4											
1800	-2.8		-3.1			-3.0											
1830	-3.5		-3.2			-3.4											
1900	-3.5		-3.8			-3.6											
1930	-4.1		-1.9			-3.0											
2000	-2.7		0			-1.4											
2030	-0.3		-2.1			-1.2											
2100	-1.0		-0.6			-0.8											
2130	0		2.8			1.4											
2200	1.5		3.8			2.6											
2230	4.0		3.1			3.6											
2300	-3.5		-3.5			-3.5											
2330	-1.9		1.5			-0.2											320.77 + 0
2400	-0.3		1.9			0.8											0.9617
	HN 1.1		0.4			0.8											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

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

Tank Press. _____ psI Obs. _____

-1.20 (94)

3.19.52

	L2 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	11.6		13.3			12.4											
0100	12.8		5.3			9.0											
0130	2.1		-1.2			0.4											
0200	-1.7		-3.2		-	2.4											
0230	-3.8		-3.7		-	3.8											
0300	-4.4		-4.0		-	4.2											
0330	-2.5		-2.5		-	2.5											
0400	0.9		0		+	0.4											
0430	0.7		4.5			2.6											
0500	2.9		1.2			2.0											
0530	1.5		-1.5			0											
0600	0		0.3			0.2											
0630	-1.7		-2.4		-	2.0											
0700	-0.8		2.3			0.8											
0730	-2.3		1.7		-	0.3	0	40					0	-			
0800	-1.5		-2.2		-	1.8											
0830	-0.5		-2.8		-	1.6											
0900	-0.9		0.7		-	0.1											
0930	0.5		-0.1			0.2											
1000	-2.8		-4.2		-	3.5											
1030	-4.2			M	-	2.1											
1100	M			M													
1130	M		-0.8		-	0.4											
1200	0.8		-4.6		-	1.9											
1230	-1.8		-5.1		-	3.4											
1300	-3.8		-3.4		-	3.6											
1330	-2.0		-2.1		-	2.0											
1400	-2.2		-1.3		-	1.8											
1430	-3.5		-2.8		-	3.2											
1500	-3.5		-2.4		-	3.0											
1530	-2.6		-4.1		-	3.4	0.2 -0.3	15-					NNE	7-9			
1600	-3.3		-2.9		-	3.1	Ci + Cs	18									
1630	-3.7		-4.4		-	4.0											
1700	-3.8		-3.5		-	3.6											
1730	-4.1		-3.9		-	4.0											
1800	-3.7		-4.2		-	4.0											
1830	-3.6		-4.2		-	3.9											
1900	-3.2		-3.8		-	3.5											
1930	-3.6		-3.3		-	3.4											
2000	0		-1.2		-	0.6											
2030	-2.7		-2.9		-	2.8											
2100	-2.8		-0.5		-	1.6											
2130	-0.2		-1.0		-	0.6											
2200	0		-0.4		-	0.2											
2230	-0.7		-0.5		-	0.6											
2300	-2.2		0		-	1.1											
2330	-0.4		-0.8		-	0.6											320.7 + 5
2400	-1.3		1.7		-	1.5											0.9617
	-0.9		1.7			0.4											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

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

Tank Press. _____ psi Obs. _____

3.70 (94)

324.62

	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	1.4		0.6			1.0											
0100	2.1		5.6			3.8											
0130	4.2		4.4			4.3											
0200	3.7		6.7			5.2											
0230	6.3		7.0			6.6											
0300	5.7		7.5			6.6											
0330	7.1		6.7			6.9											
0400	7.5		7.4			7.4											
0430	7.4		6.6			7.0											
0500	6.6		5.7			6.2											
0530	7.0		5.5			6.2											
0600	5.2		4.6			4.9											
0630	4.0		4.3			4.2											
0700	5.2		3.5			4.4											
0730	4.9		3.7			4.3											
0800	4.1		2.1			3.1											
0830	2.5		1.2			1.8											
0900	0.3		0			0.2											
0930	0		0			0											
1000	0.7		2.9			1.8											
1030	4.2		5.3			4.8											
1100	4.7		3.3			4.0											
1130	4.1		1.2			2.6											
1200	1.7		0.3			1.0											
1230	1.3		2.2			1.8											
1300	2.6		0.3			1.4											
1330	+0.3		-1.9			-0.8											
1400	-1.5		-2.5			-2.0											
1430	-1.9		-3.5			-2.7											
1500	M			M													
1530	~~-2.9~~		~~-2.7~~		-2.7	-2.8	✓	8-10	H				NW	<1			
1600	-2.4		-3.0			-2.7											
1630	-2.0		-2.4			-2.2											
1700	-2.1		-1.7			-1.9											
1730	1.0		3.7			2.4											
1800	2.7		9.3			6.0											
1830	5.8		6.8			6.3											
1900	4.7		5.3			5.0											
1930	4.7		5.3			5.0											
2000	4.9		9.0			7.0											
2030	5.7		3.4			4.6											
2100	2.3		5.7			4.0											
2130	6.5		8.0			7.2											
2200	6.5		5.6			6.0											
2230	5.5		5.7			5.6											
2300	4.8		5.8			5.3											
2330	6.1		10.9			8.5											320.77 + Δ
2400	9.8		12.2			11.0											0.9617

HN

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

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

Tank Press. _____ psI Obs. _____

-2.61 (98)
318.06

	AH -5.2	AL -5.8	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-5.2	-4.7		-5.0											
0100	-4.6	-4.9		-4.8											
0130	-4.3	-2.3		-3.3											
0200	-1.8	-3.5		-2.6											
0230	-1.7	-2.5		-2.1											
0300	-0.8	-0.8		-0.8											
0330	-1.4	-1.6		-1.5											
0400	-2.5	-2.3		-2.4											
0430	-1.2	-2.1		-1.6											
0500	-2.7	-2.4		-2.6											
0530	-1.8	-2.5		-2.2											
0600	-1.9	-1.3		-1.6											
0630	-0.7	2.5		0.9											
0700	1.0	0		0.5											
0730	-1.1	-4.4		-2.8											
0800	-4.6	-4.3		-4.4											
0830	-5.4	-5.5		-5.4											
0900	-5.1	-5.8		-5.4											
0930	-5.5	-5.8		-5.6											
1000	-5.4	-5.8		-5.6											
1030	-5.3	-5.8		-5.6											
1100	-6.1	-5.6		-5.8											
1130	-5.2	-5.6		-5.4	0	8-					SW	6-8			
1200	-5.5	-5.7		-5.6		12									
1230	-5.1	-5.7		-5.4											
1300	-5.1	-5.4		-5.2											
1330	-4.7	-5.6		-5.2											
1400	-4.7	-5.3		-5.0											
1430	-4.5	-5.2		-4.8											
1500	-4.8	-5.3		-5.0											
1530	-4.8	-4.7		-4.8											
1600	-4.4	-4.8		-4.6											
1630	-4.1	-4.8		-4.4											
1700	-4.3	-4.3		-4.3											
1730	-4.3	-4.4		-4.4											
1800	-4.7	-4.5		-4.6											
1830	-4.4	-4.4		-4.4											
1900	-4.3	-4.6		-4.4											
1930	+2.0	+2.1		2.0											
2000	2.5	0.7		1.6											
2030	0.6	0.8		0.7											
2100	0.7	2.5		1.6											
2130	1.3	1.3		1.3											
2200	-2.1	1.3		0.4											
2230	0	-1.0		-0.5											
2300	3.3	0.7		2.0											
2330	-2.3	7.3		2.5											320.77 + 5
2400	6.0	4.6		5.3											0.9617
	2.6	4.0		3.3											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

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

Tank Press. _____ psI Obs. _____

2.55 (97)
323.42

	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	5.0		5.5			5.2											
0100	6.6		10.2			8.4											
0130	20.8		18.2			19.5											
0200	16.5		14.7			15.6											
0230	11.3		12.8			12.0											
0300	12.5		11.2			11.8											
0330	13.6		19.2			16.4											
0400	18.8		17.2			18.0											
0430	17.8		20.0			18.9											
0500	21.3		16.4			18.8											
0530	9.2		15.4			12.3											
0600	15.8		8.9			12.4											
0630	11.6		9.7			10.6											
0700	9.3		7.9			8.6											
0730	8.6		8.4			8.5	0	7-8					S-	2-4			
0800	7.8		7.4			7.6							SE				
0830	M		3.7			~~1.8~~	3.7										
0900	6.1		5.8			6.0											
0930	10.1		6.8			8.4											
1000	4.0		2.4			3.2											
1030	0.9		-1.0			0											
1100	-1.8		-1.5			-1.6											
1130	-1.5		-1.7			-1.6											
1200	-1.8		-2.6			-2.2											
1230	-3.5		-3.7			-3.6											
1300	-3.7		-3.7			-3.7											
1330	-3.7		-3.6			-3.6											
1400	-3.8		-4.5			-4.2											
1430	-4.3		-5.6			-5.0											
1500	-4.8		-5.5			-5.2											
1530	-5.3		-6.2			-5.8	0.8	6-8					SW	6-8			
1600	-5.3		-5.6			-5.4	St + Sc										
1630	-5.3		-5.5			-5.4											
1700	-5.3		-5.4			-5.4											
1730	-5.2		-5.3			-5.2											
1800	-4.6		-4.2			-4.4											
1830	-3.5		-3.1			-3.3											
1900	-1.7		-2.7			-2.2											
1930	-0.9		0			-0.4											
2000	0		-1.2			-0.6											
2030	-1.3		-3.4			-2.4											
2100	-3.0		-2.7			-2.8											
2130	-2.2		-3.0			-2.6											
2200	-3.0		-2.0			-2.5											
2230	-2.2		-2.3			-2.2											
2300	-3.2		-5.4			-4.3											
2330	-5.2		-5.4			-5.3											320.77 + σ
2400	-4.9		-5.2			-5.0											0.9617
	-5.3		-4.8			-5.0											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

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

Tank Press. _____ psI Obs. _____

2.95 (98)
323.84

	~~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	3.3		0.7			2.0											
0100	0		-2.4			-1.2											
0130	-0.8		-1.3			-1.0											
0200	-2.0		-2.2			-2.1											
0230	-2.6		-1.9			-2.2											
0300	-2.5		-1.3			-1.9											
0330	2.3		0.8			1.6											
0400	1.4		2.2			1.8											
0430	0.7		1.3			1.0											
0500	0.8		0.3			0.5											
0530	-0.8		0			-0.4											
0600	1.5		0.2			0.8											
0630	-0.8		-1.0			-0.9											
0700	-0.4		-0.5			-0.4											
0730	1.7		1.4			1.6	0	12					0	-			
0800	2.8		2.8			2.8		15									
0830	2.3		2.0			2.2											
0900	1.6		-1.2			0.2											
0930	1.7		-2.3			-0.3											
1000	-0.7		3.2			1.2											
1030	3.8		3.8			3.8											
1100	-1.4		-1.9			-1.6											
1130	4.9		2.8			3.8											
1200	3.0		0.9			2.0											
1230	2.0		0			1.0											
1300	2.2		1.3			1.8											
1330	2.2		1.5			1.8											
1400	2.0		0.7			1.4											
1430	2.2		1.7			2.0											
1500	3.4		4.2			3.8											
1530	6.3		4.9			5.6	0.1	9-5	H				NNE	4-6			
1600	5.7		14.2			10.0	Cs										
1630	14.1		15.2			14.6											
1700	15.7		16.4			16.0											
1730	14.3		12.8			13.6											
1800	12.2		11.2			11.7											
1830	9.6		6.8			8.2											
1900	5.6		3.2			4.4											
1930	3.0		1.2			2.1											
2000	4.8		4.4			4.6											
2030	3.9		2.0			3.0											
2100	3.9		3.1			3.5											
2130	4.0		4.1			4.0											
2200	4.3		3.2			3.8											
2230	1.4		2.6			2.0											
2300	2.9		1.8			2.4											
2330	1.3		1.4			1.4											320.77 + 0
2400	4.8		3.1			4.0											0.9617
	4.3		4.6			4.4											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

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

Tank Press. _____ psI Obs. _____

4.24 (95)
325.18

	AH Z 8.7	AH 12	AL Z 12.9	AL 14	L Diff.	L Ave. 10.8	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	9.7		12.1			10.9											
0100	11.7		10.6			11.2											
0130	11.1		13.3			12.2											
0200	11.3		10.8			11.0											
0230	12.0		9.7			10.4											
0300	8.6		10.0			9.3											
0330	8.4		7.0			7.7											
0400	7.3		7.3			7.3											
0430	8.1		7.1			7.6											
0500	7.2		8.8			8.0											
0530	10.0		8.3			9.2											
0600	8.4		8.3			8.4											
0630	8.7		7.8			8.2											
0700	7.9		7.4			7.6											
0730	8.4		7.7			8.0											
0800	9.1		8.3			8.7											
0830	5.0		M			5.0	0.1 Ci	4-5					NNE	1			
0900	M		M														
0930	2.1		1.8			2.0											
1000	-1.5		-4.1			-2.8											
1030	-2.9		-4.3			-3.6											
1100	-4.3		-3.2			-3.8											
1130	-1.6		-3.8			-2.7											
1200	-3.0		-4.7			-3.8											
1230	-3.2		-3.8			-3.5											
1300	-1.9		-2.7			-2.3											
1330	-1.5		-2.6			-2.0											
1400	-2.0		-2.4			-2.2											
1430	-2.1		-0.9			-1.5											
1500	3.7		10.2			6.8											
1530	9.6		7.4			8.5	0	5-6					NNE	8-10			
1600	8.6		6.7			7.6											
1630	4.2		3.1			3.6											
1700	3.0		1.3			2.2											
1730	5.4		4.1			4.8											
1800	5.6		3.2			4.4											
1830	3.2		3.2			3.2											
1900	3.8		2.4			3.1											
1930	5.6		5.8			5.7											
2000	1.2		2.2			1.7											
2030	4.2		3.8			4.0											
2100	2.7		2.7			2.7											
2130	2.6		1.8			2.2											
2200	2.4		1.3			1.8											
2230	1.4		1.2			1.3											
2300	2.9		1.3			2.1											
2330	1.7		1.8			1.8											320.77 + 0
2400	1.7		-0.4			0.6											0.9617

HN

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

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

Tank Press. _____ psI Obs. _____

9.60 (93)
330.75

	AH	AL	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	8.7	10.1		9.4											
0100	11.4	11.9		11.6											
0130	9.3	8.6		9.0											
0200	5.8	5.8		5.8											
0230	6.4	6.8		6.6											
0300	7.2	6.7		7.0											
0330	6.7	8.8		7.8											
0400	8.6	8.4		8.5											
0430	8.4	9.7		9.0											
0500	16.4	14.7		15.6											
0530	13.3	16.2		14.8											
0600	15.6	19.2		17.4											
0630	21.6	19.2		19.9											
0700	19.0	17.7		18.4											
0730	13.5	13.1		13.3	N.V.	100-200 yds.	F				W	<1			
0800	13.4	13.7		13.6											
0830	12.8	13.9		13.4											
0900	14.4	13.7		14.0											
0930	14.7	13.8		14.2											
1000	15.8	16.5		16.2											
1030	17.6	16.3		17.0											
1100	17.3	15.4		16.4											
1130	15.4	15.8		15.6											
1200	14.7	14.5		14.6											
1230	12.3	10.3		11.3											
1300	9.1	7.2		8.4											
1330	7.5	5.7		6.6											
1400	5.4	4.4		4.9											
1430	4.3	3.7		4.0											
1500	4.2	3.1		3.6											
1530	M	M			0.2	1-2	H				NNW	3-4			
1600	1.8	1.6		1.7	Ci										
1630	1.8	M		1.8											
1700	M	2.6		2.6											
1730	2.7	3.0		2.8											
1800	3.0	1.8		2.4											
1830	2.1	M		2.1											
1900	3.6	3.4		3.5											
1930	2.7	3.2		3.0											
2000	3.6	7.9		5.8											
2030	8.4	7.2		6.8											
2100	6.8	8.8		7.8											
2130	9.3	9.9		9.6											
2200	9.7	9.6		9.6											
2230	10.6	9.9		10.2											
2300	10.5	12.4		11.4											
2330	15.1	12.8		14.0											320.77 + 0
2400	11.2	10.8		11.0											0.9617
	11.8	7.9		9.8											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

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

Tank Press. _____ psi Obs. _____

8.72 (96)
329.83

	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	9.9		9.8			9.8											
0100	8.8		9.8			9.3											
0130	7.4		10.3			8.4											
0200	13.0		6.4			9.7											
0230	6.0		5.8			5.9											
0300	5.5		6.4			6.0											
0330	7.1		7.9			7.5											
0400	7.5		8.5			8.0											
0430	7.9		7.3			7.6											
0500	8.0		9.2			8.6											
0530	13.0		11.9			12.4											
0600	11.5		11.4			11.4											
0630	11.1		11.6			11.4											
0700	12.5		14.3			13.4											
0730	13.4		13.6			13.5	N.U.	100 %	F				NNE	1-2			
0800	15.2		15.3			15.2											
0830	14.6		15.4			15.0											
0900	14.8		15.6			15.2											
0930	16.8		17.2			17.0											
1000	17.6		16.9			17.2											
1030	16.7		17.0			16.8											
1100	17.3		15.3			16.3											
1130	16.1		14.1			15.1											
1200	16.2		12.4			14.3											
1230	13.2		12.1			12.6											
1300	12.1		11.3			11.7											
1330	10.7		10.0			10.4											
1400	10.5		7.8			9.2											
1430	8.0		6.9			7.4											
1500	6.8		5.2			6.0											
1530	4.7		3.3			4.0	1.0	1-	F				0	—			
1600	3.7		2.7			3.2	Cc+As	1.5									
1630	3.2			M		3.2											
1700	M		3.2			3.2											
1730	2.3		2.2			2.2											
1800	2.2		1.4			1.8											
1830	1.6		1.2			1.4											
1900	1.5		1.2			1.4											
1930	1.1		1.7			1.4											
2000	3.1		2.3			2.7											
2030	2.7		2.5			2.6											
2100	4.0		4.9			4.4											
2130	3.9		3.5			3.7											
2200	7.9		6.5			7.2											
2230	7.8		6.2			7.0											
2300	6.8		7.3			7.0											
2330	10.9		11.4			11.2											320.77 + 0
2400	10.6		7.4			9.0											0.9617
	HN 9.1		7.5			8.3											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

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

Tank Press. _____ psI Obs. _____

4.18 (96)
325.11

	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	-1.7		-2.4			-2.0											
0100	-2.7		-2.4			-2.6											
0130	-3.2		-1.9			-2.6											
0200	-2.2		-2.0			-2.1											
0230	-4.1		-3.8			-4.0											
0300	-3.9		-1.2			-2.6											
0330	-2.1		-3.3			-2.7											
0400	-3.7		-2.2			-3.0											
0430	-0.4		-1.5			-1.0											
0500	0		-1.9			-1.0											
0530	-0.4		0.2			-0.1											
0600	-0.4		0.7			0.2											
0630	-0.5		0.3			-0.1											
0700	-0.7		-2.8			-1.8											
0730	-2.9		-3.0			-3.0											
0800	-2.2		-2.3			-2.2											
0830	-2.2		-1.8			-2.0											
0900	-0.8		0.9			0											
0930	2.2		1.2			1.7											
1000	1.2		0.2			0.7											
1030	1.1		1.2			1.2											
1100	3.0		3.2			3.1											
1130	4.4		4.7			4.6	Extra										
1200	5.8		4.6			5.2	6.7 11.6		9.2								
1230	12.3		14.4			13.4											
1300	17.0		19.3			18.2											
1330	20.2		24.4			22.3											
1400	24.1		22.9			23.5											
1430	21.2		14.5			17.8											
1500	9.6		8.8			9.2											
1530	12.9		7.9			10.4	0.9	1-2					NW	8-12			
1600	5.9		3.2			4.6	Sc										
1630	2.9		2.5			2.7											
1700	3.0		1.8			2.4											
1730	2.1		3.5			2.8											
1800	4.8		4.0			4.4											
1830	3.2		2.8			3.0											
1900	2.5		1.8			2.2											
1930	8.8		9.2			9.0											
2000	8.4		9.0			8.7											
2030	9.4		6.3			7.8											
2100	5.4		6.3			5.8											
2130	7.4		5.4			6.4											
2200	5.5		6.7			6.1											
2230	7.3		11.8			9.6											
2300	8.9		8.8			8.8											
2330	8.2		7.9			8.0											320.77 + 0
2400	9.4		9.8			9.6											0.961

HN

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

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

Tank Press. _____ psi Obs. _____

-.79 (98)
319.95

	L1 Alt	L2	L3 Alt	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	2.7		3.7			3.2											
0100	2.7		3.4			3.0											
0130	2.7		0.4			1.6											
0200	0		1.2			0.6											
0230	2.0		2.0			2.0											
0300	0		1.2			0.6											
0330	1.2		-0.3			0.5											
0400	1.1		0.6			0.9											
0430	0		-0.5			-0.2											
0500	0		6.7			3.4											
0530	8.0		-3.2			2.4											
0600	3.2		2.7			3.0											
0630	0.3		0.5			0.4											
0700	0.2		0.9			0.6											
0730	1.2		2.7			2.0											
0800	6.0		5.6			5.8											
0830	5.5		5.3			5.4											
0900	5.7		2.3			4.0											
0930	1.3		-2.2			-0.4											
1000	-1.8		-2.0			-1.9											
1030	-1.7		-2.1			-1.9											
1100	-1.7		-2.0			-1.8											
1130	-2.1		-2.2			-2.2											
1200	-2.5		-2.8			-2.6											
1230	-3.5		-3.5			-3.5											
1300	-2.8		-3.5			-3.2											
1330	-3.2		-3.3			-3.2	<0.1	10-12					W	8-10			
1400	-3.0		-3.6			-3.3	Cu										
1430	-3.2		-3.4			-3.3											
1500	-3.0		-3.8			-3.4											
1530	-3.4		-4.7			-4.0											
1600	-4.4		-4.8			-4.6											
1630	-4.4		-4.7			-4.6											
1700	-4.8		-5.2			-5.0											
1730	-5.0		-5.2			-5.1											
1800	-4.9		-4.9			-4.9											
1830	-5.0		-5.2			-5.1											
1900	-4.7		-5.2			-5.0											
1930	-0.7		-1.7			-1.2											
2000	-0.8		-0.8			-0.8											
2030	-1.6		-2.7			-2.2											
2100	1.0		2.0			1.5											
2130	0.7		0.6			0.6											
2200	-0.2		-1.1			0.6											
2230	0		-0.7			-0.4											
2300	-0.6		-1.2			-0.9											
2330	-2.0		-1.2			-1.6											320.77 + 5
2400	-1.3		-2.1			-1.7											0.9617
	-2.4		-2.2			-2.8											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

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

Tank Press. _____ psI Obs. _____

1.67 (98)

322.51

	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	3.5		2.3			2.9											
0100	1.8		3.4			2.6											
0130	1.8		3.8			2.8											
0200	3.5		3.2			3.4											
0230	2.5		3.2			2.8											
0300	3.4		4.6			4.0											
0330	3.8		2.7			3.2											
0400	2.2		1.8			2.0											
0430	4.2		4.0			4.1											
0500	3.3		5.2			4.2											
0530	5.4		5.5			5.4											
0600	6.6		6.6			6.6											
0630	7.3		7.4			7.4											
0700	7.8		6.2			7.0											
0730	7.3		9.4			8.4	0.2	10-					WSW	3-4			
0800	6.6		6.7			6.6	As	12									
0830	6.5		6.5			6.5											
0900	6.4		6.0			6.2											
0930	4.7		5.3			5.0											
1000	7.3		5.6			6.4											
1030	4.9		7.2			6.0											
1100	7.8		8.3			8.0											
1130	8.7		8.5			8.6											
1200	8.9		7.2			8.0											
1230	6.5		5.4			6.0											
1300	5.4		3.9			4.6											
1330	2.8		1.2			2.0											
1400	1.2		1.5			1.4											
1430	2.1		0.8			1.4											
1500	1.7		0			0.8											
1530	0.2		-1.0			-0.4	0	6-8					NNW	8-12			
1600	-1.7		-2.7			-2.2											
1630	-3.2		-4.2			-3.7											
1700	-3.8		-3.8			-3.8											
1730	-3.8		-4.2			-4.0											
1800	-3.6		-3.6			-3.6											
1830	-3.4		-3.8			-3.6											
1900	-3.7		-4.2			-4.0											
1930	-4.7		-4.8			-4.8											
2000	-4.6		-4.9			-4.8											
2030	-4.8		-5.3			-5.0											
2100	-5.0		-5.0			-5.0											
2130	-4.8		-5.2			-5.0											
2200	-3.4		-3.3			-3.4											
2230	-0.4		0.6			0.1											
2300	0		1.1			0.6											
2330	-0.2		-4.1			-2.2	Extra #2										320.77 + 0
2400	-3.9		-3.8			-3.8	2.6	4.7	3-6								0.9617
	-3.8		-4.1			-4.0											

CARBON DIOXIDE DATA

SIO Pier

[redacted]

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

One ordinate - _____ ppm

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

Tank Press. _____ psi Obs. _____

0.57 (9.8)
321.36

	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	2.7		3.8			3.2											
0100	3.1		3.9			3.5											
0130	2.6		2.7			2.6											
0200	1.8		2.0			1.9											
0230	1.0		1.3			1.2											
0300	3.8		3.9			3.8											
0330	3.4		0			3.2											
0400	0.5		-0.3			0.1											
0430	0.4		0.4			0.4											
0500	0.9		-0.4			0.2											
0530	-0.2		-0.6			-0.4											
0600	-1.1		-1.7			-1.4											
0630	-0.8		-1.7			-1.2											
0700	-2.3		-2.8			-2.6											
0730	-1.4		-1.2			-1.3											
0800	0.6		0.8			0.7											
0830	0.5		-1.5			-0.5	0	20					NW	2-3			
0900	0		-2.4			-1.2											
0930	-1.8		-2.5			-2.2											
1000	-0.8		-1.5			-1.2											
1030	-1.1		-1.0			-1.0											
1100	-0.5		-2.7			-1.6											
1130	-1.0		-1.7			-1.4											
1200	-1.3		-2.6			-2.0											
1230	-1.1		-2.8			-2.0											
1300	-1.7		-3.0			-2.4											
1330	-2.7		-3.6			-3.2											
1400	-2.4		-3.8			-3.1											
1430	-3.2		-3.6			-3.4											
1500	-1.1		3.1			1.0											
1530	3.8		2.3			3.0	0.2 Ci	15-20					N	5-6			
1600	2.5		2.8			2.6											
1630	2.4		2.9			2.6											
1700	4.2		3.2			3.7											
1730	5.7		3.5			4.6											
1800	3.0		-0.3			1.4											
1830	-0.9		-1.5			-1.2											
1900	-1.7		2.1			0.2											
1930	1.0		-1.6			-0.3											
2000	-1.4		-0.7			-1.0											
2030	0		1.3			0.6											
2100	[illegible]		1.1		1.8	1.4											
2130	[illegible] 2.0			0.4		1.2											
2200	3.9		1.0			2.4											
2230	2.8		2.2			2.5											
2300	-0.2		0.9			0.4											
2330	0.7		4.2			2.4											320.77 + 0
2400	5.8		9.3			7.6											0.9617
	1.5 - 3		2-9			4.1											

CARBON DIOXIDE DAT[redacted]

SIO Pier

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

One ordinate - _____ ppm

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

Tank Press. _____ psi Obs. _____

8.84 (92)
329.96

	AH 7-8	AL 9-3	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	9.5	10.1		9.8											
0100	10.2	11.3		10.8											
0130	10.4	11.3		10.8											
0200	11.5	10.9		11.2											
0230	11.9	12.0		12.0											
0300	10.3	11.3		10.8											
0330	12.2	11.7		12.0											
0400	10.3	10.2		10.2											
0430	9.8	10.3		10.0											
0500	11.9	11.3		11.6											
0530	10.3	11.7		11.0											
0600	11.3	13.1		12.2											
0630	13.8	12.8		13.3											
0700	13.1	14.2		13.6											
0730	13.3	10.6		12.0	N.V.	50 yds	F				NNW	2-4			
0800	11.9	M		11.9											
0830	M	M													defrosted freezer - change chart paper
0900	M	10.2		10.2											
0930	10.9	10.3		10.6											
1000	9.9	9.8		9.8											
1030	10.1	10.0		10.0											
1100	10.4	9.7		10.0											
1130	10.4	10.4		10.4	Extra										
1200	10.4	10.3		10.4	10.2 10.3										
1230	10.1	10.0		10.0											
1300	10.2	8.8		9.5											
1330	8.6	10.6		9.6											
1400	10.9	9.8		10.3											
1430	11.3	7.4		9.4											
1500	7.4	6.7		7.0											
1530	7.2	6.0		6.6		3-4	F				NNE	2-3			
1600	2.9	1.3		2.1											
1630	0	-0.4		-0.2											
1700	-0.4	-0.8		-0.6											
1730	0.6	3.9		2.2											
1800	0.8	5.5		3.2											
1830	5.5	4.8		5.2											
1900	6.0	5.2		5.6											
1930	5.0	5.7		5.4											
2000	8.4	6.5		7.4											
2030	6.7	5.5		6.1											
2100	4.0	6.8		5.4											
2130	6.4	5.6		6.0											
2200	8.1	13.9		11.0											
2230	15.0	7.8		11.4											
2300	5.4	15.2		10.3											
2330	13.0	12.0		12.5											320.77 + 0
2400	5.6	5.8		5.7											0.9617

HN

CARBON DIOXIDE DATA

SIO Piey

~~MAUNA LOA OBSERVATORY, HAWAII~~

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

One ordinate - _____ ppm

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

Tank Press. _____ psI Obs. _____

+2.51 (97)
323.38

	L2 AH	L1 AH	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	2.6	3.4		3.0											
0100	3.4	3.8		3.6											
0130	3.8	4.8		4.3											
0200	5.4	4.8		5.1											
0230	4.2	4.3		4.2											
0300	3.7	3.2		3.4											
0330	3.4	3.1		3.2											
0400	3.3	3.1		3.2											
0430	3.5	3.8		3.6											
0500	4.3	3.7		4.0											
0530	4.2	7.2		5.7											
0600	4.7	6.8		5.8											
0630	6.8	9.3		8.0											
0700	9.8	7.8		8.8											
0730	8.3	9.2		8.8	N.V.	200	F				O	-			
0800	8.2	8.1		8.2		300 yds									
0830	8.8	10.7		9.8											
0900	10.5	10.7		10.6											
0930	9.8	7.5		8.6											
1000	8.7	7.7		8.2											
1030	6.4	3.8		5.1											
1100	2.6	1.7		2.2											
1130	2.1	1.8		2.0											
1200	2.3	2.0		2.2											
1230	2.2	1.8		2.0											
1300	1.8	0.7		1.2											
1330	M	0.7		0.7											
1400	0.1	-0.1		-0.0											
1430	-0.9	-1.8		-1.4											
1500	-1.8	-3.0		-2.4											
1530	-2.8	-3.4		-3.1	0.5	1-1/2	F				SW	1-5			
1600	-3.0	-3.5		-3.2	Ci										
1630	-2.8	-3.2		-3.0											
1700	-2.8	-3.3		-3.0											
1730	-3.2	-4.3		-3.8											
1800	-3.3	-3.3		-3.3											
1830	-3.3	-3.6		-3.4											
1900	-3.0	-3.[illegible]		-3.0											
1930	-2.8	-3.0		-2.9											
2000	-2.8	-2.7		-2.8											
2030	-3.0	-3.1		-3.0											
2100	-2.6	-1.4		-2.0											
2130	-0.7	0		-0.4											
2200	0.3	1.0		0.6											
2230	2.0	3.8		2.9											
2300	3.5	4.5		4.0											
2330	4.5	6.3		5.4											320.77 + 0
2400	7.6	7.6		7.6											0.9612
HN	7.6	8.0		7.8											

CARBON DIOXIDE DATA

SIO Pier

~~MAUNA LOA OBSERVATORY, HAWAII~~

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

One ordinate - _____ ppm

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

Tank Press. _____ psI Obs. _____

8.89(98)

330.02

	~~1~~ AH ~~2~~	~~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	10.9	10.9		10.9											
0100	10.7	10.4		10.6											
0130	10.4	10.4		10.4											
0200	10.3	9.8		10.5											
0230	10.2	10.2		10.2											
0300	10.5	10.5		10.5											
0330	10.3	10.4		10.4											
0400	10.6	10.2		10.4											
0430	10.4	11.0		10.7											
0500	11.8	12.2		12.0											
0530	12.1	11.6		11.8											
0600	11.3	10.7		11.0											
0630	11.4	12.1		11.8											
0700	10.9	10.6		10.8											
0730	10.3	9.6		10.0	NOT										
0800	9.7	9.1		9.4	VISIBLE	1/4	F				NNW	1			
0830	9.6	8.8		9.2											
0900	9.3	9.4		9.4											
0930	10.2	9.7		10.0											
1000	10.2	9.8		10.0											
1030	10.3	9.3		9.8											
1100	9.9	9.3		9.6											
1130	9.8	9.8		9.8											
1200	10.6	9.9		10.2											
1230	11.3	13.8		12.6											
1300	12.3	15.0		13.7											
1330	14.4	12.3		13.4											
1400	11.6	8.2		9.9											
1430	10.4	8.9		9.6											
1500	8.8	6.8		7.8											
1530	6.4	5.4		5.9	NOT										
1600	6.0	6.0		6.0	VISIBLE	1	F				N	5-7			
1630	6.4	5.5		6.0											
1700	5.8	5.4		5.6											
1730	5.5	6.8		6.2											
1800	8.1	10.6		9.4											
1830	9.8	11.6		10.7											
1900	13.3	14.6		13.4											
1930	12.4	10.3		11.4											
2000	11.3	5.0		8.2											
2030	4.3	3.7		4.0											
2100	3.3	3.0		3.2											
2130	4.2	5.3		4.8											
2200	4.1	4.3		4.2											
2230	5.5	8.4		7.0											
2300	8.8	2.7		5.8											
2330	1.8	2.8		2.3											320.77 + 0
2400	3.0	1.8		2.4											0.9617
	NN 2.7	3.2		2.7											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

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

Tank Press. _____ psI Obs. _____

+8.25 (96)
329.35

	AH 1 / 2	AL 3 / 4	L Diff.	Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
	20.8	18.6		19.7											
0030	12.3	18.4		17.8											
0100	16.6	15.6		16.1											
0130	10.2	8.1		9.2											
0200	8.1	7.7		7.9											
0230	7.7	17.4		12.6											
0300	19.3	10.4		14.8											
0330	10.5	13.5		12.0											
0400	17.3	16.8		17.0											
0430	13.2	10.5		11.8											
0500	8.3	6.2		7.2											
0530	6.4	6.0		6.2											
0600	4.8	4.8		4.8											
0630	3.4	6.4		4.9											
0700	6.3	14.6		10.4											
0730	15.6	16.8		16.2											
0800	16.8	17.4		17.1											
0830	17.8	17.2		17.5											
0900	18.8	16.5		17.6											
0930	16.8	16.2		16.5											
1000	16.2	14.1		15.2											
1030	14.2	13.9		14.0											
1100	13.7	13.3		13.5											
1130	12.1	13.1		12.6											
1200	10.3	10.7		10.5											
1230	10.8	14.4		12.6											
1300	15.8	10.1		13.0											
1330	10.2	7.8		9.0											
1400	7.8	3.6		5.7											
1430	0.9	-0.9		0.0											
1500	-0.3	-1.2		-0.8											
1530	-0.3	-1.1		-0.7											
1600	-0.6	-2.2		-1.4											
1630	-1.2	-1.8		-1.5											
1700	-1.3	M		-1.3											
1730	M	-1.8		-1.8											
1800	-2.6	-3.4		-3.0											
1830	-2.8	-1.6		-2.2											
1900	4.7	1.3		3.0											
1930	3.1	3.2		3.2											
2000	2.8	2.8		2.8											
2030	2.0	2.2		2.1											
2100	1.8	3.4		2.6											
2130	4.2	3.3		3.8											
2200	3.3	4.2		3.8											
2230	4.5	6.0		5.2											
2300	6.7	8.0		7.4											
2330	8.8	8.9		8.8											320.77 + 0
2400	8.8	9.4		9.1											0.7617
	HN 9.9	10.6		10.2											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

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

Tank Press. _____ psI Obs. _____

11.96 (96)

333.21

	AH L2	AL L1	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	9.8	11.9		10.8											
0100	12.6	10.7		11.6											
0130	10.8	11.0		10.9											
0200	9.8	8.8		9.3											
0230	9.7	8.2		8.7											
0300	10.1	8.2		9.6											
0330	8.7	8.5		8.6											
0400	11.5	11.3		11.4											
0430	11.5	14.0		12.8											
0500	16.7	16.5		16.6											
0530	18.3	18.0		18.4											
0600	15.8	17.2		16.5											
0630	17.2	14.7		16.0											
0700	14.0	14.0		14.0											
0730	16.2	14.9		15.6											
0800	12.0	11.3		11.6											
0830	10.0	10.0		10.0											
0900	9.6	10.1		9.8											
0930	10.2	10.3		10.2											
1000	10.3	9.4		9.8											
1030	11.3	13.1		12.2											
1100	13.3	13.2		13.2											
1130	13.8	8.3		11.0	1.0 VERY LIGHT Ci	3-4	H				N	4-8			
1200	M	12.2		12.2											
1230	8.9	6.4		7.6											
1300	M	6.3		6.3											
1330	9.4	7.7		8.6											
1400	8.1	4.8		6.4											
1430	5.3	3.6		4.4											
1500	3.5	2.8		3.2											
1530	3.3	2.8		3.0											
1600	3.2	4.4		3.8											
1630	4.8	4.7		4.8											
1700	5.2	5.4		5.3											
1730	7.3	10.0		8.6											
1800	10.2	12.2		11.2											
1830	12.7	13.1		12.9											
1900	15.6	14.5		15.0											
1930	14.8	15.8		15.3											
2000	14.0	9.8		11.9											
2030	7.3	6.6		7.0											
2100	8.0	10.9		9.4											
2130	18.3	19.1		18.7											
2200	20.0	23.8		21.9											
2230	29.0	25.8		27.4											
2300	23.9	23.2		23.6											
2330	19.6	12.6		16.1											320.77 + 5
2400	22.8	20.3		21.6											0.9617
	19.9	22.7		21.3											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

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

Tank Press. _____ psi Obs. _____

11.67 (94)

332.91

	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	13.7	15.1		14.4											
0100	15.3	15.0		15.2											
0130	12.0	11.2		11.6											
0200	10.8	10.0		10.4											
0230	8.5	9.7		9.1											
0300	10.2	11.4		10.8											
0330	13.7	13.8		13.8											
0400	18.0	16.9		17.4											
0430	16.1	15.8		16.0											
0500	15.7	15.2		15.4											
0530	12.1	10.6		11.4											
0600	10.4	10.0		10.2											
0630	8.6	7.7		8.2											
0700	6.9	7.4		7.2											
0730	9.6	8.8		9.2	O	34	S				O	•	X		Span 340 Zero 870
0800	9.2	8.5		8.8			H								(54) 1420 psi Fr -52°F
0830	12.7	13.2		13.0											
0900	18.2	17.3		17.8											
0930	16.8	16.3		16.6											
1000	18.2	17.4		17.8											
1030	17.7	17.2		17.4											
1100	15.9	13.8		14.8											
1130	16.0	16.5		16.2											
1200	17.0	14.7		15.8											
1230	12.7	9.3		11.0											
1300	11.4	10.4		10.9											
1330	13.1	11.9		12.5											
1400	11.9	9.4		10.6											
1430	9.5	9.6		9.6											
1500	11.5	11.0		11.2											
1530	11.0	10.7		10.4		3-	hazy					Z3			Span 340 Zero 870
1600	10.6	10.7		10.6	Y10 Ci	4 mi	Smog				N	K			(54) 1470 psi Fr -52°F
1630	10.2	10.4		10.3											
1700	10.8	10.1		10.4											
1730	11.0	M		11.0											
1800	M	12.7		12.7											
1830	11.5	8.0		9.8											
1900	5.7	5.4		5.6											
1930	8.6	9.2		8.9											
2000	8.0	10.3		9.2											
2030	9.5	9.8		9.6											
2100	9.8	8.4		9.1											
2130	9.2	9.2		9.2											
2200	9.8	9.7		9.8											
2230	9.8	12.2		11.0											
2300	11.3	11.5		11.4											
2330	9.8	9.0		9.4											320.77 + 0
2400	8.8	M		8.8											0.9617
HN	M	10.3		10.3											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

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

Tank Press. _____ psi Obs. _____

8.49 (67)
329.57

	AH L2	AH L1	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	1.3		1.2			1.2											
0100	1.3		1.3			1.8											
0130	-0.3		1.7			0.7											
0200	1.0		1.1			1.0											
0230	0.8		0.5			0.6											
0300	0		0.6			0.3											
0330	1.2		0			0.6											
0400	0.3		-0.7			-0.2											
0430	-1.2		0.2			-0.5											
0500	0.2		1.9			1.0											
0530	0.7		0.4			0.5											
0600	0.3		1.6			1.0											
0630	M		M			—											Power off
0700	M		0.7			0.7											
0730	2.2		1.3			1.8		8-	smog								Span 340 Zero 870
0800	3.4		1.9			2.6	clear	10 mi	horizon				—	0			(54) 1500 psi Fr. -52°F
0830	1.3		2.3			1.8											
0900																	
0930																	
1000																	
1030																	
1100																	
1130																	
1200																	
1230																	
1300																	
1330																	
1400																	
1430																	
1500																	
1530							0	3-4	H				0	—			Span 340 Zero 870
1600	11.5		11.8			11.6											(54) 1520 psi Fr -54°F
1630	12.9		13.2			13.0											
1700	22.2		22.4			22.3											
1730	25.3		25.2			25.2											
1800	25.0		23.3			24.2											
1830	21.4		19.3			20.4											
1900	18.5		17.0			17.8											
1930	17.3		14.2			15.8											
2000	15.5		9.5			12.5											
2030	12.3		12.1			12.2											
2100	11.8		11.2			11.5											
2130	12.6		12.3			12.4											
2200	11.9		10.0			11.0											
2230	9.3		12.6			11.0											
2300	13.7		13.8			13.8											
2330	12.8		13.2			13.0											320.77 + 5
2400	12.6		13.4			13.0											0.9639
	14.0		12.0			13.0											

REF GAS TESTS

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

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

Tank Press. _____ psi Obs. _____

+2.11 (95)
322.96

	AH 1	AH 2	AL 1	AL 2	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	M		7.8			7.8											pin stuck
0100	8.6		7.4			8.0											
0130	6.0		5.2			5.6											
0200	4.1		4.4			4.2											
0230	3.3		5.4			4.4											
0300	2.6		1.4			2.0											
0330	1.3		3.6			2.5											
0400	1.6		1.3			1.5											
0430	0		0.7			0.4											
0500	1.6		M			1.6											pin stuck
0530	1.3		1.4			1.4											
0600	2.5		3.3			2.9											
0630	2.2		2.2			2.2											
0700	-0.6		2.2			0.8											
0730	4.2		3.3			3.8		5-6 mi	hazy fog								Span 340 Zero 870
0800	2.9		2.0			2.4	clear						~	0			1550 psi Fr -52°F
0830	0.8		0			0.8											
0900	-1.2		-0.6			-0.9											
0930	-0.4		-1.1			-0.8											
1000	1.4		2.8			2.1											
1030	4.4		4.6			4.5											
1100	4.9		4.6			4.8											
1130	3.4		2.6			3.0											
1200	2.7		0.6			1.6											
1230	-2.7		-2.2			-2.4											
1300	-1.6		0			-1.6											
1330	-2.3		-2.2			-2.2											
1400	-2.2		0.2			-1.0											
1430	-0.3		-2.8			-1.5											
1500	-0.3		3.3			+1.5											
1530	3.4		1.9			2.6	0	20-25					NNE	5-7			
1600	0.9		0.8			0.8											
1630	-0.6		M			-0.6											pin stuck
1700	0.1		-0.5			-0.2											
1730	-0.7		-0.4			-0.6											
1800	-0.4		-1.3			-0.8											
1830	-1.7		-0.7			-1.2											
1900	0		0.5			0.2											
1930	0		-0.5			-0.2											
2000	2.2		3.0			2.7											
2030	2.5		2.2			2.4											
2100	2.3		2.4			2.4											
2130	3.4		4.6			4.0											
2200	7.5		6.1			6.8											
2230	11.3		10.0			10.6											
2300	2.0		~~3.6~~ 4.4			3.2											
2330	~~4.2~~ 3.6		4.3			4.0											320.77 + 0
2400	5.3		4.2			4.8											0.9639
	3.2		3.0			3.1											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

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

Tank Press. _____ psi Obs. _____

4.91 (98)
325.86

	L2 (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	M		8.2			8.2											recorder stuck
0100	5.0		5.2			5.1											
0130	M		6.4			6.4											recorder stuck
0200	5.1		6.7			5.9											
0230	7.6		7.5			7.6											
0300	5.4		4.0			4.7											
0330	2.4		2.1			2.2											
0400	2.9		1.7			2.3											
0430	1.7		1.4			1.6											
0500	1.2		1.4			1.3											
0530	1.6		1.1			1.4											
0600	0.4		0.3			0.4											
0630	0.6		0			0.3											
0700	3.5		2.9			3.2											
0730	4.6		2.7			3.6	3/10 Ci+Cs	5-6 mi					W-SW	1K			Span 340 Zero 870 1600 psi
0800	4.2		2.9			3.6											
0830	3.1		2.8			3.0											
0900	2.1		1.9			2.0											
0930	1.8		1.9			1.8											
1000	2.3		2.5			2.4											
1030	2.3		1.7			2.0											
1100	0.9		1.8			1.4											
1130	1.8		1.8			1.8											
1200	0.8		-0.6			0.1											
1230	-0.5		-0.5			-0.5											
1300	-0.8		-0.7			-0.8											
1330	-0.3		-1.3			-0.8											
1400	[illegible]		+1.0			0.0											
1430	+1.4		3.2			2.3											
1500	3.3		2.8			3.0											
1530	3.0		4.5			3.8	3/10 Ci	3-4 mi	Haze away				NNW	7-9 K			Span 340 Zero 870 1660 psi
1600	7.3		M			7.3											M = manual flow checks
1630	13.2		12.3			12.8											
1700	8.9		9.1			9.0											
1730	9.4		8.7			9.0											
1800	5.4		3.4			4.4											
1830	1.6		1.6			1.6											
1900	1.0		3.2			2.1											
1930	2.6		4.1			3.4											
2000	4.1		4.6			4.4											
2030	8.7		9.2			9.0											
2100	7.2		13.4			10.3											
2130	12.2		11.2			11.7											
2200	10.3		13.4			11.8											
2230	12.6		13.1			12.8											320.77 + 0 / 0.9659
2300	13.5		12.3			12.9											
2330	M		10.1			10.1											recorder stuck
2400	13.2		12.7			13.0											
HN	M		15.7			15.7											Pen sticking

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

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

Tank Press. _____ psI Obs. _____

+1.26 (.93)

322.08

	L2 (AH)	L2	L4 (AL)	L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	1.3		-0.7			0.3											
0100	-1.5		-1.5			-1.5											
0130	-2.1		-2.1			-2.1											
0200	-2.7		-1.1			-1.9											
0230	-1.2		0			-0.6											
0300	+1.1		+2.4			-1.8											
0330	0.8		0.9			0.8											
0400	-0.4		0			-0.2											
0430	-0.8		0			-0.4											
0500	-0.9		-1.4			-1.2											
0530	-0.2		-1.6			-0.9											
0600	-0.9		0			-0.4											
0630	1.2		1.4			1.3											
0700	2.3		2.5			2.4											
0730	0.3		0			0.2											
0800	0		-0.2			-0.1											
0830	-0.6		0.6			0.0											
0900	-2.2		-2.2			-2.2											
0930	-0.8		0			-0.4											
1000	1.2		0			0.6											
1030	0.6		0			0.3											
1100	-1.9		-1.9			-1.9											
1130	-0.6		-2.2			-1.4											
1200	-1.5		-1.2			-1.4											
1230	-0.9		-0.4			-0.6	0	10-15	H				NW	7			
1300	-0.7		-1.0			-0.8											
1330	-1.8		-1.2			-1.5											
1400	-1.2		-1.2			-1.2											
1430	-1.4		M			-1.4			H				NW	12-16			
1500	M		M			M											Change chart rolls
1530	0		0.7			0.4											Pier Flask Samples
1600	1.7		0.6			1.2											
1630	1.7		0.7			1.2											
1700	0.3		1.2			0.8											
1730	2.1		2.5			2.3											
1800	3.1		3.8			3.4											
1830	4.2		4.6			4.4											
1900	5.6		6.0			5.8											
1930	8.7		5.7			7.2											
2000	6.1		6.2			6.2											
2030	7.1		7.1			7.1											
2100	6.2		6.3			6.2											
2130	6.5		6.0			6.2											
2200	7.2		6.0			6.6											
2230	4.6		2.5			3.6											
2300	3.4		5.4			4.4											
2330	5.4		4.7			5.0											320.77 + 0
2400	4.6		5.5			5.0											0.9639

HN

CARBON DIOXI[illegible] DATA STATION SIO [illegible]ier Sheet No. _____

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

One ordinate - _____ ppm

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

Tank Press. _____ psi Obs. _____

-3.46 (84)
317.18

	L1 AH	L2 AL	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-5.3	-5.5		-5.4											
0100	-5.5	-5.7		-5.6											
0130	-5.7	-5.8		-5.8											
0200	-5.6	-5.6		-5.6											
0230	-5.7	-5.6		-5.6											
0300	M	-2.7		-2.7											
0330	-2.8	-2.7		-2.8											
0400	M	-0.3		-0.3											
0430	-3.4	-0.5		-2.0											
0500	-0.3	0		-0.2											
0530	M	-1.4		-1.4											
0600	-5.4	-3.4		-4.4											
0630	M	-1.4		-1.4											
0700	-0.5	-0.7		-0.6											
0730	-0.7	-2.0		-1.4											
0800	M	-3.0		-3.0											
0830	-1.8	-3.3		-2.6											
0900	-1.8	-4.1		-3.0											
0930	-3.4	-3.8		-3.6											
1000	M	-4.2		-4.2											
1030	M	-4.6		-4.6											
1100	M	-4.2		-4.2											
1130	-4.3	-4.5		-4.4											
1200	-4.4	-4.6		-4.5											
1230	-4.4	-4.0		-4.2											
1300	-3.7	M		-3.7											
1330	-4.5	M		-4.5											
1400	-4.3	M		-4.3											
1430	-5.1	-4.6		-4.8											
1500	-4.8	-4.8		-4.8											
1530	-4.9	-4.9		-4.9											
1600	-4.8	-4.7		-4.8											
1630	-4.9	M		-4.9											
1700	-5.2	-3.7		-4.4											
1730	-6.4	-5.4		-5.9	✓										
1800	-5.2	-5.8		-5.5											
1830	-5.3	M		-5.3											
1900	-5.4	-5.3		-5.4											
1930	-5.2	-4.8		-5.0											
2000	-5.0	-4.8		-4.8											
2030	-3.1	-1.4		-2.2											
2100	-1.6	M		-1.6											
2130	-1.4	-0.9		-1.2											
2200	-2.6	-2.5		-2.6											
2230	-1.6	-2.6		-2.1											
2300	-0.8	-0.1		-0.4											
2330	-2.0	-1.8		-1.9											320.77 + 5
2400	-0.9	-0.7		-0.8											0.7639
	-0.5	-0.2		-0.4											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

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

Tank Press. _____ psi Obs. _____

-3.81 (87)
316.82

	L1 / L2 (AH 6.1)	L3 / L4 (AL 9.4)	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	M	M													per stichny
0100	M	M													"
0130	~~M~~	9.3		9.3											"
0200	8.7	8.4		8.6											
0230	-6.5	-5.9		-6.2											
0300	-5.5	-4.2		-4.8											
0330	~~M~~	-1.8		-1.8											
0400	-2.6	-3.8		-3.2											
0430	-3.4	-2.6		-3.0											
0500	-0.5	0.5		0.0											
0530	-1.4	-1.1		-1.2											
0600	-1.2	-0.8		-1.0											
0630	0	-0.3		-0.2											
0700	-2.4	-2.4		-2.4											
0730	-5.6	-6.2		-5.9											
0800	-6.0	-5.9		-6.0											
0830	-5.8	-5.9		-5.8											
0900	-5.8	-5.7		-5.8											
0930	-5.8	-5.7		-5.8											
1000	-5.7	-4.8		-5.2											
1030	-3.1	-3.4		-3.2											
1100	-4.7	-4.4		-4.6											
1130	-4.9	-4.7		-4.8	1.0	10	R				SSE	8-12			
1200	-5.3	-5.4		-5.4	Cut CB										
1230	-3.5	-3.5		-3.5											
1300	-4.5	-4.3		-4.4											
1330	-4.5	-4.2		-4.4											
1400	-3.1	-3.1		-3.1											
1430	-3.2	-3.5		-3.4											
1500	-1.4	-2.8		-2.1											
1530	-3.1	-2.8		-3.0											
1600	-1.7	-3.2		-2.4											
1630	-5.5	-5.6		-5.6											
1700	-5.7	-5.4		-5.6											
1730	-5.4	-5.8		-5.6											
1800	-5.4	-5.6		-5.5											
1830	-5.5	-5.8		-5.6											
1900	-5.6	-5.5		-5.6											
1930	-5.2	-5.7		-5.4											
2000	~~M~~	-5.8		-5.8											per stick
2030	~~M~~	-5.4		-5.4											"
2100	~~M~~	-5.5		-5.5											"
2130	~~M~~	-5.6		-5.6											"
2200	-5.4	-5.4		-5.4											
2230	-5.5	-5.7		-5.6											
2300	~~M~~	-5.4		-5.4											
2330	-5.4	-5.6		-5.5											320.77 + 0
2400	-5.3	-5.7		-5.5											0.9639
	-5.5	-5.7		-5.6											

CARBON DIOXIDE DATA STATION SJO Pier Sheet No. _____

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

One ordinate - _____ ppm

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

Tank Press. _____ psi Obs. _____

-.15 (95)
320.30

	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	1.4		2.6			2.0											
0100	0.1		0.8			0.4											
0130	5.1		4.9			5.0											
0200	3.5		0.8			2.2											
0230	-1.6		-1.5			-1.6											
0300	-1.3		-0.7			-1.0											
0330	-1.7		-1.4			-1.6											
0400	-1.7		-1.7			-1.7											
0430	-0.7		-0.5			-0.6											
0500	0		-1.0			-0.5											
0530	-0.4		-1.4			-0.9											
0600	3.6		4.3			4.0											
0630	2.0		1.2			1.6											
0700	2.9		3.3			3.1											
0730	3.2		0			1.6	5/10 Sc + 8/10 As	8-10 mi					E-ESE	8-10 mi			Span 340 Zero 870
0800	1.5		5.3			3.4											54 1800 psi Fr. -52°F
0830	8.4		7.2			7.8											
0900	0.9		-1.3			-0.2											
0930	-0.8		-2.9			-1.8											
1000	-3.7		-4.1			-3.9											
1030	-3.9		-3.6			-3.8											
1100	0		-0.4			-0.2											
1130	-1.0		-1.7			-1.4											
1200	-2.7		-3.0			-2.8											
1230	-3.0		-1.5			-2.2											
1300	-2.8		-2.9			-2.8											
1330	-2.1		-1.7			-1.9											
1400	-3.1		-4.1			-3.6											
1430	-4.0		-4.2			-4.1											
1500	-4.3		-4.2			-4.2											
1530	-4.1		-6.8			-5.4							WNW	3-4 K			Span 340 Zero 870
1600	-4.8		-5.2			-5.0											1860 psi Fr. -52°F
1630	-5.2		M			-5.2	1/10 As, Ac, + Ci	25-30 mi	Clear								
1700	M		-5.8			-5.8											defrosted freezer
1730	-6.2		-5.6			-5.9											
1800	-6.1		-5.8			-6.0											
1830	-6.3		-5.8			-6.0											
1900	-6.3		-6.1			-6.2											
1930	-6.0		-1.2			-3.6											
2000	-2.2		0			-1.1											
2030	-1.0		0.7			-0.2											
2100	0.5		1.0			0.8											
2130	0.3		1.8			1.0											
2200	3.2		2.7			3.0											
2230	1.4		0.3			0.8											
2300	7.1		M			7.1											Pin stuck
2330	9.2		7.3			8.2											320.77 + 0
2400	8.9		9.3			9.1											0.9639
	HN 7.2		9.2			8.2											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

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

Tank Press. _____ psi Obs. _____

-1.09 (32)
316.53

	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																	
0530																	
0600																	
0630																	
0700																	
0730																	
0800																	
0830																	
0900																	
0930																	
1000																	
1030																	
1100																	
1130																	
1200																	
1230																	
1300																	
1330																	
1400																	
1430																	
1500																	
1530							0.4	20-					NW	9-11			
1600							Ci	25									
1630	-5.8		-5.7			-5.8	9/10 Ci	20-25 mi	Cloudy				NW	9-11 K			Span 340 Zero 870
1700	-6.2		-5.8			-6.0											1920 psi Ex. -52° F
1730	-6.1		-6.1			-6.1											
1800	-6.4		-5.9			-6.2											
1830	-6.2		-5.6			-5.9											
1900	-6.2		-5.6			-5.9											
1930	-5.9		-5.8			-5.8											
2000	-4.1		-4.0			-4.0											
2030	-4.2		-4.3			-4.2											
2100	-4.5		-4.4			-4.4											
2130	-2.4		-1.0			-1.7											
2200	-4.3		-3.6			-4.0											
2230	-1.2		-0.9			-1.0											
2300	0		-0.8			-0.4											
2330	-1.1		-1.7			-1.4											320.77 + 0
2400	0.5		4.7			-2.6											0.9639

Chart Paper Jammed

HN

CARBON DIOXIDE DATA

[redacted] SIO Pier

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

One ordinate - _____ ppm

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

Tank Press. _____ psI Obs. _____

-.66 (68)
320.09

	AH L2	AL L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-1.8	-0.9		-1.4											
0100	-0.8	-0.7		-0.8											
0130	-0.4	1.3		+0.4											
0200	M	0.6		0.6											
0230	-1.3	1.1		-0.1											
0300	0.6	-2.0		-0.7											
0330	-2.2	-1.4		-1.7											
0400	1.4	-1.8		-0.2											
0430	-1.6	-2.8		-2.2											
0500	-1.8	1.6		-1.7											
0530	M	1.8		+1.8											
0600	1.3	1.5		1.4											
0630	1.8	0.8		1.3											
0700	1.8	3.2		2.5											
0730	3.8	4.6		4.2	0.7	4-6					ESE	3-4			
0800	5.3	6.7		6.0	As + Ci										
0830	6.7	6.1		6.4											
0900	4.1	1.2		2.8											
0930	-2.2	-1.3		-1.8											
1000	-1.3	0.7		-0.3											
1030	-0.2	0.9		+0.4											
1100	0	0.7		0.4											
1130	-0.4	2.3		1.0	Extra										
1200	6.1	2.0		4.0	3.4 0.8										
1230	-0.8	-0.3		-0.6											
1300	M	M		—											
1330	-1.2	M		-1.2											
1400	-3.1	-2.5		-2.8											
1430	-2.4	-3.1		-2.8											
1500	-3.8	-3.3		-3.6											
1530	-2.8	-2.7		-2.8	0.2 As	20					WNW	4-5			
1600	-2.8	-4.2		-3.5	<0.1 Ci	-25									
1630	-2.6	-4.2		-3.4	0.2 Cu										
1700	-4.8	-4.8		-4.8											
1730	—	-5.1		-5.1											
1800	-4.8	-5.2		-5.0											
1830	—	-5.3		-5.3											
1900	-5.6	—		-5.6											
1930															
2000															
2030															
2100															
2130															
2200															
2230															
2300															
2330															
2400															

Chart Paper Jammed

320.77 + 0
0.9639

HN

CARBON DIOXIDE DA

SIO Pier

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

One ordinate - _____ ppm

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

Tank Press. _____ psI Obs. _____

-3.25 (9/)

317.40

	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	-6.4		-6.6			-6.5											
0100	-6.2		-6.4			-6.3											
0130	-6.6		-6.5			-6.6											
0200	-6.3		-5.2			-5.8											
0230	-4.7		-2.7			-3.7											
0300	-3.6		-5.7			-4.6											
0330	-5.7		-5.8			-5.8											
0400	1.2		2.2			+1.7											
0430	-1.3		0.4			-0.4											
0500	1.2		1.1			+1.2											
0530	2.2		1.7			2.0											
0600	1.6		2.2			1.9											
0630	1.8		4.8			3.3											
0700	M		4.4			4.4											
0730	M		-1.2			+1.2	OVC	3-4	F				O	-			
0800	M		2.3			2.3	Sc										
0830	2.3		-0.4			1.0											
0900	M		2.0			2.0											
0930	-3.7		-2.8			-3.2	0.8 As	4-5					SW	4-5			
1000	-1.8		-1.3			-1.5											
1030	-1.2		0.3			-0.4											
1100	-5.6		-5.9			-5.8											
1130	-5.8		-5.8			-5.8											
1200	-5.8		M			-5.8											
1230	-5.6		-5.4			-5.5											
1300	-5.7		-5.9			-5.8											
1330	-5.3		-5.5			-5.4											
1400	-5.3		-5.4			-5.4											
1430	-5.1		-4.3			-4.7											
1500	-5.6		-5.7			-5.6											
1530	-5.4		-5.3			-5.4	0.7 Sc / 0.8 As+A	8-10	H				SW	4-5			
1600	-5.3		-5.5			-5.4											
1630	-5.7		-5.4			-5.6											
1700	M		-5.3			-5.3											
1730	-5.8		-5.7			-5.8											
1800	-5.8		-5.8			-5.8											
1830	-5.6		-5.5			-5.6											
1900	M		-5.9			-5.9											
1930	M		-5.3			-5.3											
2000	-5.8		-5.6			-5.7											
2030	-5.7		-6.1			-5.9											
2100	-5.8		-5.8			-5.8											
2130	-5.8		-5.9			-5.8											
2200	-5.6		-5.8			-5.7											
2230	-0.3		-0.2			-0.2											
2300	-0.8		-1.6			-1.2											
2330	-2.5		2.4			0.0											320.77 + 5
2400	0		-1.5			+1.5											0.9639
	0.8		-2.2			-1.5											

CARBON DIOXIDE DATA

SIO Pier

[redacted]

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

One ordinate - _____ ppm

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

Tank Press. _____ psi Obs. _____

-5.19 (96)

315.39

	AH 1	AH 2	AL 2	AL 1	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	-5.1		-5.7			-5.4											
0100	-4.8		-4.8			-4.8											
0130	-5.5		-5.4			-5.4											
0200	-5.2		-4.7			-5.0											
0230	-5.3		-4.2			-4.8											
0300	-5.4		-5.6			-5.5											
0330	-5.8		-5.4			-5.6											
0400	-5.2		-4.8			-5.0											
0430	-4.8		-4.2			-4.5											
0500	-3.8		-3.8			-3.8											
0530	-3.6		-4.3			-4.0											
0600	-2.6		-4.3			-3.4											
0630	-2.6		-2.8			-2.7											
0700	-2.8		-2.5			-2.6											
0730	-2.7		-2.2			-2.4											
0800	-4.9		-5.3			-5.1											
0830	-5.0		-5.5			-5.2	0.7	5.6	M				SSE	18-20			
0900	-5.1		-5.3			-5.2	Cu										
0930	-4.8		-4.2			-4.5											
1000	-2.8		-5.8			-4.3											
1030	-5.4		-5.6			-5.5											
1100	-5.5		-5.4			-5.4											
1130	-5.2		-6.2			-5.7											
1200	-5.3		-5.9			-5.6											
1230	-5.2		-5.5			-5.4											
1300	-4.8		-5.8			-5.3											
1330	-6.2		-6.1			-6.2											
1400	-5.6		-6.2			-5.9											
1430	-5.3		-6.4			-5.8											
1500	-5.6		-5.6			-5.6											
1530	-5.4		-5.8			-5.6											
1600	-5.3		-5.7			-5.5											
1630	-5.2		~~M~~			-5.2	0.9	4.5	R				S	20-25			
1700	~~M~~		-5.2			-5.2	SC+NIMBOST										defrost freezer
1730	-5.1		-5.6			-5.4											
1800	-5.4		-5.3			-5.4											
1830	-4.8		-5.1			-5.0											
1900	-4.9		-3.6			-4.2											
1930	-5.6		-5.8			-5.7											
2000	-5.8		-5.9			-5.8											
2030	-5.8		-6.0			-5.9											
2100	-5.9		-5.4			-5.6											
2130	-5.7		-5.7			-5.7											
2200	-6.2		-6.2			-6.2											
2230	-5.9		-6.3			-6.1											
2300	-6.6		-6.7			-6.6											
2330	-6.6		-6.8			-6.7											320.77 + 0
2400	-6.4		-6.9			-6.6											0.9639
	-6.7		-6.3			-6.5											

CARBON DIOXIDE DATA

SIO Pier

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

One ordinate - _____ ppm

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

Tank Press. _____ psI Obs. _____

~~+.0053 (78)~~

320.78

	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	M		4.1			4.1											.90 (78)
0100	M		4.1			4.1											
0130	2.8		1.8			2.3											
0200	1.2		1.5			1.4											
0230	1.5		1.2			1.4											
0300	1.4		2.5			2.0											
0330	0.8		-0.4			0.2											
0400	-0.2		-0.2			-0.2											
0430	0.7		0.7			0.7											
0500	1.0		0.8			0.9											
0530	0.6		0.9			0.6											
0600	0.9		1.8			1.4											
0630	0		-1.2			-0.6											
0700	0.7		0.8			0.8											
0730	0.8		4.5			2.6											
0800	2.8		0.5			1.6											
0830	0		1.9			1.0											
0900	0		1.5			0.8											
0930	M		-2.4			-2.4											
1000	-3.5		M			-3.5											
1030	M		3.8			3.8											
1100	-4.3		M			-4.3											
1130	M		M			M											
1200	-4.6		-4.4			-4.5											
1230	M		M			M											
1300	M		M			M											
1330	M		-3.2			-3.2											
1400	-3.3		-1.3			-2.3											
1430	M		-3.9			-3.9	1.0	15-20	R				SW	2-6			
1500	-3.5		-2.9			-3.2	NIMBOSTRATUS										
1530	M		M			M							SW	10-12			
1600	-2.4		-2.8			-2.6											
1630	-1.9		-1.4			-1.6											
1700	-2.9		-2.9			-2.9											
1730	-0.8		-0.8			-0.8											
1800	6.4		6.1			6.2											
1830	M		M			M											REF GAS trace NG
1900	M		M			M											
1930	8.6		8.7			8.6											
2000	7.5		8.4			8.0											
2030	M		8.7			8.7											
2100	5.3		-3.2			1.0											
2130	-4.3		-3.4			-3.8											
2200	-4.4		-3.7			-4.0											
2230	-2.9		M			-2.9											
2300	-0.9		-0.8			-0.8											
2330	-0.7		-4.8			-2.8	Extra #2										320.77 + 5
2400	-5.0		-4.4			-4.7	-4.0 -4.1										0.9639
	-5.1		-4.7			-4.9											

CARBON DIOXIDE DATA

STO Pier

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank (51) _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

11.78 (31) 321.36
1.49 (55) 320.82
320.99

	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	M		14.1			14.1											
0100	M		10.4			10.4											
0130	10.9		14.7			12.8											
0200	13.4		14.2			13.8											
0230	12.5		13.2			12.8											
0300	12.4		13.0			12.7											
0330	M		11.8			11.8											
0400	11.4		11.3			11.4											
0430	11.5		11.5			11.5											
0500	11.7		12.3			12.0											
0530	12.4		12.6			12.5											
0600	M		11.4			11.4											
0630	10.4		10.2			10.3											
0700	11.1		11.8			11.4											
0730	11.5		11.5			11.5											
0800	12.3		10.2			11.2											
0830	M		10.0			10.0	0.5										
0900	10.5		10.4			10.4	Ci	30					W	2-4			
0930	M		0.3		0.3	0.3											Change to tank (54)
1000	0.8		3.5			2.2											
1030	2.8		3.1			3.0											
1100	3.6		-0.6			1.5											
1130	-0.5		-1.1			-0.8											
1200	-1.7		-2.1			-1.9											
1230	-1.7		-1.7			-1.7											
1300	-1.7		-1.6			-1.6											
1330	-1.5		-2.0			-1.8											
1400	-1.6		-1.9			-1.8											
1430	-1.8		-1.7			-1.8											
1500	-1.8		-1.7			-1.8											
1530	-1.5		-0.6			-1.0											
1600	-1.0		-0.4			-0.7											
1630	-1.1		-1.4			-1.2	0.9 / 0.3	10-					N	2-4			
1700	-1.7		+0.6			-0.4	Ci / Ac	15									
1730	-1.4		-1.2			-1.3											
1800	+1.3		+2.4			1.8											
1830	+2.1		+1.4			1.8											
1900	+0.8		-0.6			0.1											
1930	0		-0.3			-0.2											
2000	-1.0		-0.6			-0.8											
2030	-1.3		-1.5			-1.4											
2100	-1.2		-1.3			-1.2											
2130	M		0.7			0.7											
2200	0		1.3			1.3											
2230	M		1.3			1.3											(51) 309.26 + 0 / 0.9759
2300	1.0		2.0			1.5											
2330	M		3.6			3.6											(54) 320.77 + 0 / 0.9639
2400	M		3.7			3.7											

HN

CARBON DIOXIDE DATA

SIO Pier

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 51 _____ From Ref tank test of _____

Tank Press. _____ psI Obs. _____

10.02 (86)
319.55

	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	10.8		15.2			13.0											
0100	14.9		15.2			15.0											
0130	13.8		12.4			13.1											
0200	11.9		12.5			12.2											
0230	11.0		10.5			10.8											
0300	10.8		10.7			10.8											
0330	10.3		11.2			10.8											
0400	10.6		M			10.6											
0430	12.2		12.8			12.5											
0500	13.6		13.6			13.6											
0530	13.2		13.0			13.1											
0600	12.7		12.9			12.8											
0630	12.4		11.5			12.0											
0700	M		12.9			12.9											
0730	M		11.7			11.7											
0800	11.5		9.4			10.4											
0830	8.2		8.5			8.4	0.1	15-					NNW	1			
0900	7.8		6.6			7.2	Cu	20									
0930	6.7		6.7			6.7											
1000	7.3		8.9			8.1											
1030	9.9		7.7			8.8											
1100	7.5		6.8			7.2											
1130	8.2		7.3			7.8											
1200	7.8		7.2			7.5											
1230	6.6		6.7			6.6											
1300	6.5		6.3			6.4											
1330	6.6		6.1			6.4											
1400	6.0		5.8			5.9											
1430	12.2		M			12.2											
1500	M		M			M											
1530	M		7.1			7.1	<0.1	20-					NW	7-10			
1600	16.6		M			16.6	Ci	25									
1630	M		6.6			6.6											
1700	6.8		6.1			6.4											
1730	6.7		6.6			6.6											
1800	6.7		6.8			6.8											
1830	7.0		6.8			6.9											
1900	6.5		7.1			6.8											
1930	6.7		6.7			6.7											
2000	6.8		6.6			6.7											
2030	6.7		11.7			9.2											
2100	M		12.4			12.4											
2130	12.3		14.1			13.2											
2200	11.9		12.3			12.1											
2230	12.4		12.4			12.4											
2300	M		13.3			13.3											
2330	12.6		12.4			12.5											308.26 + 0
2400	12.4		12.5			12.4											0.9739
	M		11.7			11.7											

CARBON DIOXIDE DATA

SIO Pier [redacted]

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank (51) _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

6.25 (90)
3.15.68

	1 AK 2	2 AK 1	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	4.9	4.7		4.8											
0100	4.8	4.8		4.8											
0130	10.3	10.5		10.4											
0200	4.8	4.8		4.8											
0230	4.6	5.0		4.8											
0300	4.9	4.8		4.8											
0330	4.8	4.8		4.8											
0400	4.8	4.9		4.8											
0430	4.8	5.0		4.9											
0500	5.1	5.0		5.0											
0530	5.0	5.0		5.0											
0600	4.8	5.0		4.9											
0630	4.9	5.1		5.0											
0700	4.9	4.7		4.8											
0730	5.0	5.6		5.3											
0800	5.2	5.2		5.2											
0830	4.7	4.7		4.7	0.7										
0900	5.2	5.9		5.6	Scu + Cu	8-10					WNW	8-10			
0930	5.8	5.7		5.8											
1000	6.5	6.3		6.4											
1030	6.3	5.5		5.9											
1100	6.2	6.2		6.2											
1130	7.3	6.7		7.0											
1200	6.6	6.7		6.6											
1230	6.0	5.9		6.0											
1300	5.6	6.4		6.0											
1330	6.4	6.0		6.2											
1400	6.8	5.9		6.4											
1430	6.1	6.0		6.0											
1500	5.7	5.8		5.8											
1530	5.8	M		5.8	0.3	30-					NW				
1600	M	M		M	Cu, As + Ci	35						6-9			
1630	M	M		M											
1700	M	M		M											
1730	5.9	5.2		5.6											
1800	5.5	5.3		5.4											
1830	4.8	5.1		5.0											
1900	5.0	5.0		5.0											
1930	4.8	5.0		4.9	0.2										
2000	4.9	5.4		5.2	Cu						N	4-6			
2030	9.4	10.2		9.8											
2100	5.0	5.1		5.0											
2130	6.4	8.6		7.5											
2200	7.4	8.1		7.2											
2230	8.3	10.0		9.2											
2300	9.3	9.8		9.6											
2330	9.4	9.8		9.6											309.26 + 0
2400	9.8	8.7		9.2											0.9739
	M	15.0		15.0											

CARBON DIOXIDE DATA

SIO Pier

~~MARINE BIOSTATION, LA JOLLA~~

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 51 _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

6.23 (90)
315.66

	~~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	8.4		7.8			8.1											
0100	7.7		7.6			7.6											
0130	7.8		8.2			8.0											
0200	8.4		8.0			8.2											
0230	7.8		8.2			8.0											
0300	7.5		7.7			7.6											
0330	8.1		7.9			8.0											
0400	7.7		6.8			7.2											
0430	7.2		7.5			7.4											
0500	12.8		9.8			11.3											
0530	7.8		8.2			8.0											
0600	5.7		8.2			7.0											
0630	8.8		10.6			9.7											
0700	6.7		6.2			6.4											
0730	6.7		6.3			6.5	1.0	1-1.5	R				SSE	15			
0800	6.4		6.6			6.5	ST										
0830	7.1		6.8			7.0											
0900	6.8		6.4			6.6											
0930	6.5		6.6			6.6											
1000	6.2		6.3			6.2											
1030	6.6		6.4			6.5											
1100	6.6		4.9			5.8											
1130	4.8		4.8			4.8											
1200	5.3		4.9			5.1											
1230	4.9		4.7			4.8											
1300	M		5.4			5.4											
1330	4.8		4.4			4.6											
1400	4.8		M			4.8											
1430	M		M														
1500	M		M														
1530	M		M				0.8	12-15					SW	8-10			
1600	M		4.3			4.3	Co, ST, + Ci										
1630	5.5		5.2			5.4											
1700	5.2		6.0			5.6											
1730	5.7		5.2			5.4											
1800	5.2		5.9			5.6											
1830	5.8		7.3			6.6											
1900	4.5		6.0			5.2											
1930	5.5		5.5			5.5											
2000	5.8		6.2			6.0											
2030	5.5		4.6			5.0	Better data										
2100	4.3		4.9			4.6											
2130	4.8		4.5			4.6											
2200	4.7		4.7			4.7											
2230	4.7		4.8			4.8											
2300	4.8		5.0			4.9											
2330	4.8		4.7			4.8											309.26 + 0
2400	4.7		5.0			4.8											0.9739
	HN 5.0		4.9			5.0											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 51 _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

10,91 (95)
320.46

	~~1~~ AH 2	~~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	8.0	9.3		8.6											
0100	9.5	18.0		13.8											
0130	16.2	14.5		15.4											
0200	15.2	15.2		15.2											
0230	M	13.5		13.5											
0300	14.5	13.8		14.2											
0330	13.3	12.7		13.0											
0400	15.6	17.7		16.6											
0430	15.9	14.1		15.0											
0500	14.3	13.2		13.8											
0530	12.0	12.6		12.3											
0600	13.3	14.3		13.8											
0630	16.5	14.6		15.6											
0700	13.6	14.2		13.9											
0730	15.5	16.0		15.8											
0800	15.0	15.5		15.2											
0830	17.1	14.2		15.6	0.9	15-					ESE	2-3			
0900	11.8	11.5		11.6	Cu Congestus	20									
0930	12.3	13.4		12.8											
1000	16.5	12.4		14.4											
1030	13.5	13.8		13.6											
1100	12.3	8.2		10.2											
1130	10.3	6.4		8.4											
1200	6.9	5.3		6.1											
1230	5.2	M		5.2											
1300	4.4	4.8		4.6											
1330	6.8	3.8		5.3											
1400	5.7	5.7		5.7											
1430	6.6	3.2		4.9											
1500	3.5	4.9		4.2											
1530	7.6	3.7		5.6	0.2										
1600	6.4	M		6.4	Cu	30					SW	8-10			
1630	5.6	5.2		5.4											
1700	6.4	5.0		5.7											
1730	6.5	7.2		6.8											
1800	7.9	9.0		8.4											
1830	8.2	9.5		8.8											
1900	10.7	10.5		10.6											
1930	9.5	10.7		10.1											
2000	9.7	9.2		9.4											
2030	11.1	11.8		11.4											
2100	14.2	17.8		16.0											
2130	17.0	16.1		16.6											
2200	15.8	14.2		15.0											
2230	13.2	12.1		12.6											
2300	10.5	9.9		10.2											
2330	9.5	9.9		9.7											309.26 + 0
2400	9.8	8.8		9.3											0.9737
HN	8.8	8.1		8.4											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 51 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

8.87 (78)
318.37

	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	4.4		4.8			4.6											
0100	4.9		4.8			4.8											
0130	5.0		5.2			5.1											
0200	4.7		4.7			4.7											
0230	4.7		4.6			4.6											
0300	4.7		6.2			5.4											
0330	6.1		M			6.1											
0400	M		M														
0430	M		7.8			7.8											
0500	6.5		M			6.5											
0530	M		6.4			6.4											
0600	6.3			M		6.3											
0630	M			M													
0700	M			M													
0730	M			M			0.4										
0800	M		11.6			11.6	Sc	20					ESE	<1			
0830	9.6		7.9			8.8											
0900	8.4		7.4			7.9											
0930	7.8		7.8			7.8											
1000	8.4		6.8			7.6											
1030	7.6		7.7			7.6											
1100	7.8		6.7			7.2											
1130	7.6		6.4			7.0											
1200	7.2		5.9			6.6											
1230	6.1		6.0			6.0											
1300	6.6		5.4			6.0											
1330	5.7		6.8			6.2											
1400	8.4			M		8.4											
1430	M			M													
1500	M			M													
1530	M			M													
1600	M		5.6			5.6											
1630	5.8		7.7			6.8	0.2										
1700	5.6		3.9			4.8	Sc	25					NW	10-12			
1730	5.4		7.2			6.3											
1800	5.8		5.1			5.4											
1830	7.3		5.1			6.2											
1900	5.2		5.2			5.2											
1930	5.4		5.4			5.4											
2000	5.6		5.2			5.4											
2030	5.5		11.4			8.4											
2100	10.3		11.0			10.6											
2130	10.1		10.2			10.2											
2200	21.1		25.3			23.2											
2230	28.6		33.6			31.1											
2300	27.9		23.8			25.8											
2330	20.9		20.9			20.9	Extra #2										309.26 ÷ 5
2400	17.5		15.7			16.6	7.9 8.8		8.4								0.9739
	15.8		11.5			13.6											

CARBON DIOXIDE DATA STATION STO Pie Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 51 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

5.93 (96)
315.35

	AH 2	AH 1	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	9.3		7.6			8.4											
0100	8.1		6.5			7.3											
0130	5.2		6.2			5.7											
0200	5.8		6.2			6.0											
0230	6.8		6.7			6.8											
0300	7.2		7.4			7.3											
0330	6.6		6.6			6.6											
0400	6.1		4.6			5.4											
0430	4.1		5.1			4.6											
0500	6.0		6.3			6.2											
0530	5.4		9.2			7.3											
0600	7.8		9.8			8.8											
0630	10.7		7.9			9.3											
0700	8.4		10.0			9.2											
0730	7.4		8.7			8.0											
0800	8.8		8.2			8.5											
0830	10.3		6.8			8.6											
0900	6.8		7.8			7.3											
0930	7.0		6.4			6.7											
1000	6.7		7.0			6.8											
1030	7.1		6.9			7.0											
1100	5.4		5.4			5.4											
1130	5.5		5.0			5.2											
1200	4.9		4.7			4.8											
1230	4.9		5.2			5.0											
1300	4.7		5.0			4.8											
1330	4.8		5.3			5.0											
1400	6.0		5.2			5.6											
1430	5.9		5.2			5.6											
1500	5.5		4.2			4.8											
1530	4.5		4.5			4.5											
1600	4.8		4.7			4.8											
1630	4.7		4.7			4.7											
1700	4.8		4.6			4.7											
1730	4.4		4.5			4.4											
1800	4.5		4.3			4.4	✓										
1830	4.5		4.7			4.6											
1900	4.6		4.5			4.6											
1930	5.2		5.4			5.3											
2000	5.1		5.1			5.1											
2030	5.2		5.3			5.2											
2100	5.3		5.1			5.2											
2130	4.9		M			4.9											
2200	M		5.1			5.1											
2230	5.3		4.9			5.1											
2300	5.0		4.5			4.8											
2330	5.2		5.3			5.2											309.26 + 0
2400	5.2		4.9			5.0											0.9739
	5.1		5.0			5.0											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 51 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

8,05 (98)
317.53

	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	10.3		10.8			10.6											
0100	10.2		11.7			11.0											
0130	14.5		14.7			14.6											
0200	10.0		10.9			10.4											
0230	9.7		11.8			10.8											
0300	14.0		19.2			16.6											
0330	12.9		12.3			12.6											
0400	9.2		6.8			8.0											
0430	19.8		14.3			[illegible]	17.0										
0500	6.8		7.2			7.0											
0530	8.4		9.9			9.2											
0600	10.9		7.7			9.3											
0630	8.5		9.3			8.9											
0700	8.8		8.6			8.7											
0730	9.0		7.2			8.1											
0800	7.1		8.1			[illegible]	7.6										
0830	7.8		8.2			8.0											
0900	7.9		7.7			7.8											
0930	9.6		9.0			9.3											
1000	7.2		6.5			6.8											
1030	6.3		5.2			5.8											
1100	5.2		5.5			5.4											
1130	5.6		5.2			5.4											
1200	5.4		4.6			5.0											
1230	4.6		5.4			5.0											
1300	5.2		4.2			4.7											
1330	4.9		4.8			4.8											
1400	4.7		4.6			4.6											
1430	4.0		5.0			4.5											
1500	4.9		5.3			5.1											
1530	4.3		4.7			4.5											
1600	4.2		4.2			4.2											
1630	4.6		4.4			4.5	0.9		R				WSW	4.6			
1700	4.3		4.4			4.4	Cu										
1730	4.0		7.9			6.0											
1800	7.1		8.1			7.6											
1830	8.5		6.7			7.6											
1900	6.6		7.9			7.2											
1930	5.8		5.4			5.6											
2000	5.2		7.7			6.4											
2030	6.4		7.6			7.0											
2100	7.1		6.6			6.8											
2130	6.9		6.8			6.8											
2200	7.2		8.3			7.8											
2230	7.7		10.8			9.2											
2300	12.4		13.7			13.0											
2330	13.4		11.4			12.4											309.26 + 0
2400	10.2		10.7			10.4											0.9739
	10.1		10.6			10.6											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 5 _____ From Ref tank test of _____

Tank Press. _____ psI Obs. _____

9.418 (90)
319.00

	~~L2~~ AH	~~L3~~ AL	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	8.9	8.7		8.8											
0100	8.8	8.9		8.8											
0130	8.8	8.6		8.7											
0200	8.8	8.6		8.7											
0230	8.8	8.8		8.8											
0300	8.9	8.8		8.8											
0330	8.8	8.6		8.7											
0400	9.3	9.2		9.2											
0430	8.5	8.6		8.6											
0500	8.2	8.0		8.1											
0530	8.3	8.6		8.4											
0600	8.4	7.8		8.1											
0630	7.6	7.9		7.8											
0700	7.8	M		7.8											
0730	M	13.0		13.0	0.4 Ci	4.5	HAZE				0	-			
0800	7.3	7.4		7.4											
0830	9.6	7.9		8.8											
0900	13.0	10.8		11.9											
0930	11.9	15.8		13.8											
1000	16.3	16.3		16.3											
1030	15.4	13.7		14.6											
1100	11.8	12.1		12.0											
1130	12.2	10.1		11.2											
1200	9.7	10.0		9.8											
1230	9.2	9.1		9.2											
1300	9.3	8.3		8.8											
1330	9.1	8.0		8.6											
1400	8.8	7.9		8.4											
1430	7.5	4.4		6.0											
1500	5.8	M		5.8											
1530	M	8.5		8.5											
1600	6.7	M		6.7											
1630	M	7.3		7.3	0.5 Cu	6.8	HAZE				SW	4.6			
1700	M	M													
1730	4.6	4.4		4.5											
1800	5.0	4.7		4.8											
1830	8.8	7.4		8.1											
1900	7.8	7.6		7.7											
1930	7.4	7.1		7.2											
2000	6.7	8.6		7.6											
2030	8.2	11.4		9.8											
2100	10.8	12.7		11.8											
2130	14.6	9.4		12.0											
2200	11.8	20.6		16.2											
2230	18.2	13.0		15.6											
2300	14.9	14.8		14.8											
2330	10.9	10.9		10.9											309.26 + 0
2400	11.2	12.9		12.0											0.9739
	12.7	10.1		11.4											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 51 _____ From Ref tank test of _____

Tank Press. _____ psI Obs. _____

7.86 (53)

317.33

	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	M			M													
0100	M			M													
0130	M			M													
0200	M			M													
0230	M			M													
0300	M		9.7			9.7											
0330	M			M													
0400	M			M													
0430	M			M													
0500	M		10.7			10.7											
0530	M			M													
0600	M			M													
0630	M			M													
0700	M			M													
0730	M			M			0.3	5-7	HAZE				E	2-3			
0800	M			M			Ci + Cs										
0830	M				10.7	10.7											
0900	11.2		9.8			10.5											
0930	7.2		6.7			7.0											
1000	6.1		6.1			6.1											
1030	6.6		6.2			6.4											
1100	5.8		5.6			5.7											
1130	5.8		M			5.8											
1200	M			M													
1230	M			M													
1300	M			M													
1330	M			M													
1400	M			M													
1430	M		6.2			6.2											
1500	7.0		5.7			6.4											
1530	7.0		6.5			6.8	0.7	12-15					WNW	2-3			
1600	7.6		7.1			7.4	Ci + Cs										
1630	4.9		7.1			6.0											
1700	6.9		M			6.9											
1730	M		5.9			5.9											
1800	8.0		7.7			7.8											
1830	7.9		7.7			7.8											
1900	7.8		8.3			8.0											
1930	8.8		8.7			8.8											
2000	9.3		8.3			8.8											
2030	8.2		9.0			8.6											
2100	9.3		9.3			9.3											
2130	8.7		8.5			8.6											
2200	8.7		8.2			8.4											
2230	7.9		8.4			8.2											
2300	8.0		8.0			8.0											
2330	8.6		8.2			8.4											309.26 + 0
2400	8.2		8.5			8.4											0.9739
HN	8.4		8.6			8.5											

CARBON DIOXIDE DATA STATION STD Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank (51) _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

9.35 (77)
318.86

	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	13.7		11.9			12.8											
0100	12.1		12.4			12.2											
0130	13.5		9.8			11.6											
0200	10.7		10.4			10.6											
0230	10.6		10.5			10.6											
0300	10.8		10.6			10.7											
0330	10.8		10.2			10.5											
0400	10.5		10.3			10.4											
0430	10.7		10.2			10.4											
0500	10.1		10.0			10.0											
0530	10.2		9.8			10.0											
0600	10.0		10.2			10.1											
0630	10.6		9.7			10.2											
0700	M		10.6			10.6											
0730	M			M			<0.1	14-					ESE	2-4			
0800	M		11.1			11.1	Ci	16									
0830	M		10.8			10.8											
0900	11.2		10.7			11.0											
0930	12.7		10.4			11.6											
1000	9.8		8.9			9.4											
1030	M		9.8			9.8											
1100	9.1		6.7			7.9											
1130	7.6		7.3			7.4											
1200	10.2		8.0			9.1											
1230	8.7		8.8			8.8											
1300	8.3		8.2			8.2											
1330	8.2		8.3			8.2											
1400	8.3		9.2			8.8											
1430	9.2		9.5			9.4											
1500	9.7		9.6			9.6											
1530	9.8		7.8			8.8	0.3	18-					W	2-4			
1600	7.8		7.0			7.4	Ci + Cc	20									
1630	7.4		5.7			6.6											
1700	5.3		5.2			5.2											
1730	M		5.5			5.5											
1800	M		5.6			5.6											
1830	M		5.7			5.7											
1900	M		8.2			8.1											
1930	M		6.9			6.9											
2000	M		6.8			6.8											
2030	M		8.9			8.9											
2100	M		10.8			10.8											
2130	M		12.2			12.2											
2200	M		9.0			9.0											
2230	M		10.4			10.4											
2300	M		9.4			9.4											
2330	M		10.7			10.7											309.26 + 0
2400	M		9.2			9.2											0.9739

HN

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 51 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

9.77 (96)
319.29

	AH	AL	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	9.3	10.6		10.0											
0100	9.8	9.6		9.7											
0130	9.4	9.3		9.4											
0200	9.5	10.1		9.8											
0230	9.5	10.2		9.8											
0300	9.2	9.1		9.2											
0330	9.1	9.0		9.0											
0400	8.8	4.5		6.6	✓										
0430	7.4	8.7		8.0											
0500	9.3	9.0		9.2											
0530	9.2	9.3		9.2											
0600	9.5	10.0		9.8											
0630	10.1	11.7		10.9											
0700	10.1	16.4		13.2											
0730	10.2	9.5		9.8	0	>30					E-SE	6			
0800	11.1	8.6		9.8											
0830	7.8	11.0		9.4											Defrosted FB Trap.
0900	12.2	10.2		11.2											
0930	9.7	10.0		9.8											
1000	9.5	9.3		9.4											
1030	11.0	13.4		12.2											
1100	18.8	11.7		15.2											
1130	10.6	8.8		9.7											
1200	9.2	9.2		9.2											
1230	9.0	9.4		9.2											
1300	9.7	9.1		9.4											
1330	9.3	9.0		9.2											
1400	8.0	9.5		8.8											
1430	8.8	10.0		9.4											
1500	10.1	8.5		9.3											
1530	8.8	8.8		8.8	<0.1 Ci	25					NW	1			
1600	9.9	8.6		9.2											
1630	8.2	8.8		8.5											
1700	8.5	8.3		8.4											
1730	8.9	6.9		7.9											
1800	7.6	6.2		6.9											
1830	7.5	7.2		7.4											
1900	7.7	9.7		8.7											
1930	9.2	9.4		9.3											
2000	8.9	11.4		10.2											
2030	11.8	10.6		11.2											
2100	9.6	10.2		9.9											
2130	10.5	10.8		10.6											
2200	11.9	11.3		11.6											
2230	13.8	11.4		12.6											
2300	11.3	10.6		11.0											
2330	11.0	10.5		10.8											319.26 + 0
2400	11.6	14.7		13.2											0.9939

HN

CARBON DIOXIDE DATA STATION 510 P[illegible] Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 51 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

7.37 (98)
316.83

	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	5.5		5.7			5.6											
0100	5.4		5.4			5.4											
0130	5.8		5.8			5.8											
0200	5.8		6.2			6.0											
0230	6.1		7.9			7.0											
0300	8.9		8.5			8.7											
0330	6.6		6.5			6.6											
0400	7.7		9.6			8.6											
0430	10.7		7.9			9.3											
0500	8.7		7.0			7.8											
0530	7.9		7.2			7.6											
0600	7.8		6.8			7.3											
0630	8.0		7.5			7.8											
0700	7.2		7.6			7.4											
0730	7.5		7.0			7.2											
0800	7.0		13.3			10.2											
0830	9.9		8.2			9.0											
0900	8.8		10.2			9.5											
0930	10.4		8.0			9.2											
1000	8.5		8.2			8.4											
1030	7.5		9.7			8.6											
1100	9.2		9.0			9.1											
1130	9.6		8.4			9.0											
1200	5.6		5.4			5.5											
1230	5.2		5.7			5.4											
1300	6.0		5.4			5.7											
1330	6.0		5.2			5.6											
1400	6.3		5.7			6.0											
1430	6.4		6.2			6.3											
1500	6.4		6.3			6.4											
1530	6.9		6.2			6.6	0	>30					NW	12-14			
1600	7.0		6.5			6.8											
1630	7.4		7.0			7.2											
1700	7.0		7.2			7.1											
1730	7.5		6.9			7.2											
1800	6.8		8.2			7.5											
1830	7.9		7.5			7.7											
1900	7.0		6.8			6.9											
1930	7.1		6.0			6.6											
2000	6.0		5.5			5.8											
2030	5.2		5.4			5.3											
2100	5.5		5.7			5.6											
2130	5.4		5.4			5.4											
2200	10.5		6.0			8.2											
2230	6.8		7.9			7.4											
2300	7.4		8.0			7.7											
2330	8.0		8.8			8.4											309.26 + 0
2400	11.3		11.3			11.3											0.9739
Ex	HH 9.5		10.0			9.8											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 51 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

7.74 (98)
317.21

	AH L1	AL L2	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	12.7	13.4		13.0											
0100	16.0	16.7		16.4											
0130	14.5	14.8		14.6											
0200	15.2	12.4		13.8											
0230	12.4	9.4		10.9											
0300	9.7	9.4		9.6											
0330	9.0	10.0		9.5											
0400	9.2	9.0		9.1											
0430	8.9	9.4		9.2											
0500	8.7	8.8		8.8											
0530	8.8	8.3		8.6											
0600	8.0	8.4		8.2											
0630	8.7	8.4		8.6											
0700	8.3	8.3		8.3											
0730	8.9	7.8		8.4											
0800	8.3	7.9		8.1											
0830	7.9	8.2		8.0											
0900	7.9	7.7		7.8											
0930	8.8	9.2		9.0											
1000	8.7	8.3		8.5											
1030	8.2	7.3		7.8											
1100	8.4	6.8		7.6											
1130	7.0	5.8		6.4											
1200	6.3	7.0		6.6											
1230	6.5	5.9		6.2											
1300	6.2	5.6		5.9											
1330	7.2	6.4		6.8											
1400	7.4	5.7		6.6											
1430	6.6	4.5		5.6	✓										
1500	6.0	6.0		6.0											
1530	5.9	5.9		5.9	0 overcast	20					SW	12-14			
1600	6.0	5.9		6.0											
1630	6.4	6.0		6.2											
1700	5.2	6.3		5.8											
1730	7.0	6.8		6.9											
1800	6.6	6.2		6.4											
1830	6.5	5.7		6.1											
1900	5.3	5.9		5.6											
1930	5.7	6.2		6.0											
2000	5.9	5.9		5.9											
2030	5.4	6.2		5.8											
2100	5.4	6.2		5.8											
2130	5.4	6.1		5.8											
2200	5.9	6.0		6.0											
2230	6.0	6.3		6.2											
2300	6.2	5.9		6.0											
2330	6.9	6.2		6.6											309.26 + D
2400	6.0	6.5		6.2											0.9739
	HN OVER			6.1											

AH	AL	AVE,	
6.3	6.0	6.2	
6.4	6.2	6.3	6.1
6.0	5.8	5.9	

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 51 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

8.4110 (98)

317.90

	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	6.4		6.2			6.3											
0100	6.2		6.5			6.4											
0130	6.7		7.1			6.9											
0200	7.4		7.5			7.4											
0230	7.1		7.0			7.0											
0300	6.2		6.8			6.5											
0330	7.2		8.4			7.8											
0400	7.6		6.9			7.2											
0430	7.6		7.7			7.6											
0500	7.4		9.1			8.2											
0530	7.7		8.0			7.8											
0600	7.5		10.6			9.0											
0630	8.0		10.2			9.1											
0700	7.0		7.3			7.2											
0730	9.6		8.3			9.0							NE	2-3			
0800	7.9		6.6			7.2											
0830	6.0		9.2			7.6											
0900	8.9		7.4			8.2											
0930	7.5		6.2			6.8											
1000	6.1		6.2			6.2											
1030	6.3		5.9			6.1											
1100	6.9		6.3			6.6											
1130	7.3		6.6			7.0											
1200	7.4		6.0			6.7											
1230	6.6		5.8			6.2	✓ 0	30					NNW	4-6			
1300	5.8		5.8			5.8											
1330	6.8		7.4			7.1											
1400	6.7		6.7			6.7											
1430	6.8		6.5			6.6											
1500	8.5		10.4			9.4											
1530	12.4		9.6			11.0											
1600	11.4		10.8			11.1											
1630	10.8		9.1			10.0											
1700	8.4		6.7			7.6											
1730	6.4		8.8			7.6											
1800	8.2		10.3			9.2											
1830	10.0		9.7			9.8											
1900	9.4		9.2			9.3											
1930	8.5		7.7			8.1											
2000	7.2		13.0			10.1											
2030	11.3		10.9			11.1											
2100	11.3		14.1			12.7											
2130	12.4		12.1			12.2											
2200	11.5		11.3			11.4											
2230	10.8		11.0			10.9											
2300	8.4		10.7			9.6											
2330	10.7		10.9			10.8											309.26 + 0
2400	10.2		10.3			10.2											0.9739
Ex	10.7		13.0			11.8											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 51 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

13.18 (93)
322.80

	AH	AL	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	24.6	24.6		24.6											
0100	24.8	23.0		23.9											
0130	22.0	21.8		21.9											
0200	23.3	22.9		23.1											
0230	22.6	23.0		22.8											
0300	22.2	24.0		23.1											
0330	23.7	24.2		24.0											
0400	28.8	24.4		26.6											
0430	23.7	19.7		21.7											
0500	22.9	22.3		22.6											
0530	22.7	21.0		21.8											
0600	20.9	20.9		20.9											
0630	16.8	20.2		18.5											
0700	18.8	15.3		17.0											
0730	15.5	18.0		16.8	<0.1	1-1.5	Fog				SE	1			
0800	17.5	18.8		18.2	Ci		S								
0830	18.0	24.3		21.2											
0900	23.0	25.4		24.2											
0930	21.8	17.8		19.8											
1000	21.3	21.1		21.2											
1030	18.7	NG		18.7											
1100	NG	12.7		12.7											
1130	NG	9.5		9.5											
1200	NG	7.7		7.7											
1230	5.8	6.3		6.0											
1300	6.2	6.7		6.4											
1330	7.2	6.5		6.8											
1400	6.2	7.0		6.6											
1430	7.4	6.0		6.7											
1500	5.8	5.4		5.6											
1530	4.8	5.0		4.9	0.1	15-					SW	7-9			
1600	5.0	4.8		4.9	Ac	20									
1630	5.2	4.5		4.8											
1700	4.8	4.7		4.8											
1730	5.1			5.1											
1800	4.9	4.9		4.9											
1830	5.2	5.5		5.4											
1900	8.4	7.0		7.7											
1930	8.1	8.2		8.2											
2000	7.4	8.8		8.1											
2030	6.6	7.1		6.8											
2100	8.2	10.4		9.3											
2130	8.0	6.7		7.4											
2200	7.7	6.9		7.3											
2230	6.8	8.2		7.5											
2300	8.4	7.4		7.9											
2330	7.0	6.5		6.8											309.26 + 0
2400	6.5	7.0		6.8											0.9739
HN	over			6.7											

	AH	AL	AVE.
Ex	7.8	7.2	7.5
Ex	6.3	6.7	6.5
Ex	6.2	6.0	6.1

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 51 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

19.50 (94)
329.29

	~~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	11.4		11.1			11.2											
0100	10.7		10.0			10.4											
0130	9.7		10.2			10.0											
0200	10.2		10.2			10.2											
0230	10.2		10.5			10.4											
0300	9.8		9.6			9.7											
0330	9.8		10.7			10.2											
0400	10.0		10.0			10.0											
0430	10.2		10.8			10.6	(10.5)										
0500	9.8		10.5			10.2											
0530	10.1		9.8			10.0											
0600	10.0		10.2			10.1											
0630	9.8		10.2			10.0											
0700	10.7		10.4			10.6											
0730	10.4		11.3		(10.8)	~~10.4~~	0.6										
0800	11.3		10.8		(10.0)	10.5	Ci;Cs;Co,As	3-4					N	3-4			
0830	10.5		11.7			10.6	(11.1)										
0900	~~11.6~~		~~NG~~														
0930	10.2		10.1			10.2											
1000	12.0		12.2			12.1											
1030	12.6		13.2			12.9											
1100	15.2		14.9			15.0											
1130	15.3		14.2			14.8											
1200	14.5		13.8			14.2											
1230	18.5		12.7			15.6											
1300	14.4		12.4			~~15.4~~	(13.4)										
1330	12.4		11.8			12.1											
1400	11.2		10.7			11.0											
1430	10.3		10.3			10.3											
1500	10.5		15.8			13.2											
1530	21.2		30.3			25.8	0.2	1.5-2	F sg				SW	1-2			
1600	33.2		33.0			33.1	Ci + Cs		S								
1630	34.1		34.4			34.2											
1700	35.3		36.8			36.0											
1730	36.0		36.7			36.4											
1800	36.8		35.5			36.2											
1830	30.9		30.4			30.6											
1900	29.7		30.3			30.0											
1930	31.6		35.7			33.6											
2000	37.9		35.3			36.	(36.1)										
2030	37.3		35.7			36.8	(36.5)										
2100	38.0		38.6			38.3											
2130	38.4		38.4			38.4											
2200	35.6		33.4			34.5											
2230	32.5		29.8			31.2											
2300	29.2		26.2			27.7											
2330	24.6		22.9			23.9	(22.8)										309.26 + 5
2400	21.2		26.3			23.8											0.9739

HN Over

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 51 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

19.50 (94)
329.29

	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	11.4		11.1			11.2											
0100	10.7		10.0			10.4											
0130	9.7		10.2			10.0											
0200	10.2		10.2			10.2											
0230	10.2		10.5			10.4											
0300	9.8		9.6			9.7											
0330	9.8		10.7			10.2											
0400	10.0		10.0			10.0											
0430	10.2		10.8			10.6	(10.5)										
0500	9.8		10.5			10.2											
0530	10.1		9.8			10.0											
0600	10.0		10.2			10.1											
0630	9.8		10.2			10.0											
0700	10.7		10.4			10.6											
0730	10.4		11.3		(10.8)	~~10.4~~	0.6										
0800	11.3		10.8		(10.0)	10.5	Ci; Cs Co, As	3-4					N	3-4			
0830	10.5		11.7			10.6	(11.1)										
0900	~~11.6~~		~~NO~~														
0930	10.2		10.1			10.2											
1000	12.0		12.2			12.1											
1030	12.6		13.2			12.9											
1100	15.2		14.9			15.0											
1130	15.3		14.2			14.8											
1200	14.5		13.8			14.2											
1230	18.5		12.7			15.6											
1300	14.4		12.4			~~15.4~~	(13.4)										
1330	12.4		11.8			12.1											
1400	11.2		10.7			11.0											
1430	10.3		10.3			10.3											
1500	10.5		15.8			13.2											
1530	21.2		30.3			25.8	0.2	1.5-2	F				SW	1-2			
1600	33.2		33.0			33.1	Ci + Cs		S								
1630	34.1		34.4			34.2											
1700	35.3		36.8			36.0											
1730	36.0		36.7			36.4											
1800	36.8		35.5			36.2											
1830	30.9		30.4			30.6											
1900	29.7		30.3			30.0											
1930	31.6		35.7			33.6											
2000	37.9		35.3			36.6	(36.1)										
2030	37.3		35.7			36.8	(36.5)										
2100	38.0		38.6			38.3											
2130	38.4		38.4			38.4											
2200	35.6		33.4			34.5											
2230	32.5		29.8			31.2											
2300	29.2		26.2			27.7											
2330	24.6		22.9			23.9	(23.8)										
2400	21.2		26.3			23.8											

309.26 + 5
0.9739

HN Over

	AH	AL	Ave
ep	30.0	28.3	[illegible].2
ep	28.0	26.9	27.4
ep	28.4	28.2	28.3

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 51 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

13.42 (96)
323.041

	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	20.8		13.4			17.1											
0100	22.7		27.4			25.0											
0130	26.4		23.0			24.7											
0200	21.0		16.7			18.8											
0230	16.0		16.3			16.2											
0300	15.2		15.2			15.2											
0330	15.8		16.7			16.2											
0400	17.8		17.7			17.8											
0430	15.2		16.5			15.8											
0500	13.9		15.7			14.8											
0530	16.2		17.2			16.7											
0600	17.2		16.8			17.0											
0630	15.6		15.0			15.3											
0700	14.4		12.8			13.6											
0730	13.5		13.1			13.3	<0.1	4-5					E	1			
0800	13.3		14.0			13.6	Ci										
0830	14.1		14.7			14.4											
0900	16.4		18.4			17.4											
0930	13.3		12.7			13.0											
1000	12.4		11.5			12.0											Defrost FO Trap
1030	11.8		12.8			12.3											
1100	13.3		12.7			13.0											
1130	20.0		22.8			21.4											
1200	23.0		22.2			22.6											
1230	17.8		17.8			17.8											
1300	18.7		16.3			17.5											
1330	15.2		13.2			14.2											
1400	16.9		11.8			14.4											
1430	13.8		12.3			13.0											
1500	12.2		10.5			11.5											
1530	8.9		8.3			8.6	<0.1	12-15					W	2-3			
1600	10.7		9.0			9.8	Cc										
1630	7.4		6.8			7.1											
1700	6.0		6.5			6.2											
1730	7.5		6.2			6.8											
1800	6.5		6.1			6.3											
1830	5.8		7.0			6.4											
1900	7.4		7.3			7.4											
1930	7.3		6.8			7.0											
2000	6.5		9.4			8.0											
2030	8.8		10.3			9.6											
2100	10.7		10.0			10.4											
2130	11.0		9.9			10.4											
2200	9.6		10.8			10.2											
2230	10.4		11.3			10.8											
2300	11.0		10.9			11.0											
2330	11.4		11.5			11.4											30926 + 5
2400	10.7		12.2			11.4											0.9739

HN

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 51 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

12.48 (96)

322.08

	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	11.2		15.1			13.2											
0100	15.0		15.7			15.4											
0130	15.0		14.7			14.8											
0200	15.1		15.9			15.5											
0230	16.1		16.4			16.2											
0300	16.5		13.0			14.8											
0330	12.2		12.7			12.4											
0400	11.2		11.8			11.6											
0430	10.4		9.8			10.1											
0500	9.7		9.2			9.4											
0530	8.6		8.2			8.4											
0600	7.8		9.4			8.6											
0630	7.7		8.0			7.8											
0700	8.2		7.6			7.9											
0730	7.3		9.2			8.2	<0.1	6					0	-			
0800	7.8		8.2			8.0	Ci										
0830	8.3		8.0			8.2											
0900	9.6		9.1			9.4											
0930	8.6		8.6			8.6											
1000	10.3		9.7			10.0											
1030	8.6		8.2			8.4											
1100	7.8		8.2			8.0											
1130	8.5		7.3			7.9											
1200	7.3		7.6			7.4											
1230	7.7		7.7			7.7											
1300	7.8		8.3			8.0											
1330	11.5		10.5			11.0											
1400	10.8		9.8			10.3											
1430	10.6		10.4			10.5											
1500	10.5		10.4			10.4											
1530	10.5		9.9			10.2	0.1	4-5					N	1			
1600	11.6		16.8			11.7	Cs+Ci										
1630	12.0		12.4			12.2											
1700	12.9		13.0			13.0											
1730	12.9		13.7			13.3											
1800	14.8		15.8			15.3											
1830	15.3		17.6			16.4											
1900	16.2		16.0			16.1											
1930	15.8		15.2			15.6											
2000	14.4		16.8			15.6											
2030	18.8		17.9			18.4											
2100	16.8		17.3			18.0											
2130	16.6		18.7			17.6											
2200	19.1		20.3			19.7											
2230	20.4		18.8			19.6											
2300	16.0		20.8			18.4											
2330	19.8		19.3			19.6											309.26 + 0
2400	19.8		20.9			20.4											0.9739

HN

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 5A From Ref tank test of _____

Tank Press. _____ psi Obs. _____

11.92 (100)
321.50

	AH Z	AH L	AL Z	AL L	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	9.6		8.7			9.2											
0100	11.4		16.5			14.0											
0130	14.7		16.0			15.4											
0200	16.5		14.8			15.6											
0230	15.8		9.8			12.8											
0300	9.6		15.8			12.7											
0330	16.4		18.7			17.6											
0400	16.6		18.2			17.4											
0430	19.2		15.2			17.2											
0500	17.3		11.5			14.4											
0530	16.2		21.9			19.0											
0600	21.2		18.5			19.8											
0630	19.8		18.4			19.1											
0700	18.2		16.2			17.2											
0730	15.5		14.0			14.8	0.2	4-5					ESE	6-8			
0800	12.5		12.5			12.5	Ci, St+Sc										
0830	12.7		13.0			12.8											
0900	12.3		13.0			12.6											
0930	11.2		11.7			11.4											
1000	8.2		8.7			8.4											
1030	7.2		7.7			7.4											
1100	7.0		6.8			6.9											
1130	9.2		8.8			9.0											
1200	9.7		10.8			10.2											
1230	9.5		9.2			9.4											
1300	9.7		8.9			9.3											
1330	8.9		8.9			8.9											
1400	8.8		7.9			8.4											
1430	7.8		7.2			7.5											
1500	7.5		8.2			7.8											
1530	7.2		7.2			7.2	<0.1	6-7					NNW	10-12			
1600	6.7		7.7			7.2	Ci										
1630	9.2		7.7			8.4											
1700	7.7		8.1			7.9											
1730	7.8		7.3			7.6											
1800	7.8		8.0			7.9											
1830	8.8		9.3			9.0											
1900	8.8		7.8			8.3											
1930	8.8		11.0			9.9											
2000	11.3		11.2			11.2											
2030	11.0		12.8			11.9											
2100	13.4		12.1			12.8											
2130	14.8		15.7			14.2											
2200	12.0		12.8			12.4											
2230	12.7		10.7			11.7											
2300	11.2		13.3			12.2											
2330	13.3		15.1			14.2											
2400	14.7		18.7			16.7											
	15.1		14.5			14.8	11.6										

AH 12.0 AL 11.2

AL 11.2

Happened before

30926 + 0
0.9739

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 51 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

11.92 (100)
321.50

	AH Z1	AH Z2	AL Z3	AL Z4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	9.6		8.7			9.2											
0100	11.4		16.5			14.0											
0130	14.7		16.0			15.4											
0200	16.5		14.8			15.6											
0230	15.8		9.8			12.8											
0300	9.6		15.8			12.7											
0330	16.4		18.7			17.6											
0400	16.6		18.2			17.4											
0430	19.2		15.2			17.2											
0500	17.3		11.5			14.4											
0530	16.2		21.9			19.0											
0600	21.2		18.5			19.8											
0630	19.8		18.4			19.1											
0700	18.2		16.2			17.2											
0730	15.5		14.0			14.8	0.2	4-5					ESE	6-8			
0800	12.5		12.5			12.5	Ci, St+Sc										
0830	12.7		13.0			12.8											
0900	12.3		13.0			12.6											
0930	11.2		11.7			11.4											
1000	8.2		8.7			8.4											
1030	7.2		7.7			7.4											
1100	7.0		6.8			6.9											
1130	9.2		8.8			9.0											
1200	9.7		10.8			10.2											
1230	9.5		9.2			9.4											
1300	9.7		8.9			9.3											
1330	8.9		8.9			8.9											
1400	8.8		7.9			8.4											
1430	7.8		7.2			7.5											
1500	7.5		8.2			7.8											
1530	7.2		7.2			7.2	<0.1	6-7					NNW	10-12			
1600	6.7		7.7			7.2	Ci										
1630	9.2		7.7			8.4											
1700	7.7		8.1			7.9											
1730	7.8		7.3			7.6											
1800	7.8		8.0			7.9											End of Roll
1830	8.8		9.3			9.0											
1900	8.8		7.8			8.3											
1930	8.8		11.0			9.9											
2000	11.3		11.2			11.2											
2030	11.0		12.8			11.9											
2100	13.4		12.1			12.8											
2130	14.8		15.7			14.2											
2200	12.0		12.8			12.4											
2230	12.7		10.7			11.7											
2300	11.2		13.3			12.2											
2330	13.3		15.1			14.2											30976 + 0
2400	14.7		18.7			16.7											0.9739
	15.1		14.5			14.8	11.6										

AH 12.0 AL 11.2
AL 11.2

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 50 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

16.76 (98)
320.311

	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	11.8		12.8			12.3											
0100	11.2		16.4			13.8											
0130	16.7		16.7			16.7											
0200	12.3		13.0			12.6											
0230	12.5		13.4			13.0											
0300	13.3		14.0			13.6											
0330	12.8		13.6			13.2											
0400	13.8		15.2			14.5											
0430	13.5		16.0			14.8											
0500	13.9		14.3			14.1											
0530	13.8		13.3			13.6											
0600	13.5		14.1			13.8											
0630	13.2		14.0			13.6											
0700	13.2		14.7			14.0											
0730	14.0		13.7			13.8											
0800	13.3		14.0			13.6											
0830	12.8		14.0			12.4											
0900	14.0		14.5			14.2											
0930	14.8		15.5			15.2											
1000	14.6		12.4			13.5											
1030	13.5		11.5			12.5											
1100	12.1		12.3			12.2											
1130	13.2		13.1			13.2											
1200	12.2		11.0			11.6											
1230	11.2		12.5			11.8											
1300	12.2		12.7			12.4											
1330	12.7		12.8			12.8											
1400	12.6		8.8			10.7											
1430	9.3		9.0			9.2	O	10-12					NW	6-8			
1500	9.5		9.4			9.4											
1530	10.1		9.0			9.5											
1600	8.8		9.4			9.1											
1630	9.0		8.2			8.6											
1700	8.0		6.5			7.2											
1730	6.5		5.2			5.8											
1800	4.6		5.7			5.2											
1830	6.2		6.2			6.2											
1900	5.7		7.2			6.4											
1930	7.7		8.2			8.2											
2000	7.2		7.8			7.6											
2030	7.2		6.8			7.0											
2100	6.3		6.5			6.4											
2130	6.3		5.8			6.0											
2200	5.7		5.3			5.5											
2230	4.8		5.9			5.4											
2300	6.8		9.5			8.2											
2330	5.7		6.2			6.0											309.26 + 0
2400	6.7		6.3			6.5											0.9739
ex	9.4		10.9			10.2											

CARBON DIOXIDE L[illegible]A STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 51 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

7.15 (98)
326.87

	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	16.2		14.0			15.1											
0100	15.0		11.5			13.2											
0130	12.0		16.3			14.2											
0200	15.6		17.0			16.8											
0230	16.2		16.4			16.3											
0300	16.8		17.6			17.2											
0330	19.6		20.0			19.8											
0400	16.8		15.7			16.2											
0430	15.5		16.8			16.2											
0500	16.4		17.3			16.8											
0530	16.6		17.5			17.0											
0600	18.0		16.9			17.4											
0630	17.0		18.0			17.5											
0700	18.2		21.6			19.9											
0730	20.8		20.9			20.8											
0800	20.8		20.0			20.4											
0830	20.5		20.9			20.7											
0900	20.9		20.6			20.8											
0930	19.9		19.4			19.6											
1000	18.8		19.6			19.0											
1030	18.8		19.1			19.0											
1100	19.0		19.4			19.2											
1130	19.3		19.4			19.4											
1200	19.8		19.4			19.6											
1230	19.7		20.2			20.0											
1300	19.8		19.4			19.6											
1330	19.6		19.5			19.6											
1400	20.5		19.9			20.2											
1430	20.4		19.9			20.2											
1500	19.8		18.3			19.0											
1530	19.0		18.3			18.6	0 FOG	1/2 3/4					NE	3-4			
1600	18.7		18.8			18.8											
1630	19.2		17.6			18.4											
1700	17.4		16.9			17.2											
1730	17.4		17.5			17.4											
1800	18.0		16.3			17.2											
1830	17.2		16.3			16.8											
1900	15.7		15.4			15.6											
1930	15.4		14.7			15.0											
2000	14.2		13.6			13.9											
2030	17.3		15.0			16.2											
2100	14.2		10.8			12.5											
2130	10.2		10.6			10.4											
2200	10.5		12.5			11.5											
2230	13.1		12.5			12.8											
2300	13.2		15.8			14.5											
2330	16.6		14.2			15.4											309.26 + 0
2400	13.7		13.7			13.7											0.9739
Ex	13.2		14.1			13.6											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 5d From Ref tank test of _____

Tank Press. _____ psi Obs. _____

16.97 (98)
326.69

	~~L2~~ AH	~~L4~~ AL	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	23.7	22.8		23.2											
0100	19.6	21.7		20.6											
0130	18.6	19.4		19.0											
0200	17.8	18.2		18.0											
0230	18.1	18.2		18.2											
0300	18.2	19.4		18.8											
0330	18.1	20.0		19.0											
0400	18.7	18.6		18.6											
0430	17.5	16.5		17.0											
0500	17.3	16.2		16.8											
0530	17.8	17.3		17.6											
0600	17.3	16.6		17.0											
0630	15.6	16.7		16.2											
0700	15.4	16.2		15.8											
0730	15.2	14.8		15.0	0	4.5					SE	<1			
0800	14.2	14.1		14.2	HAZE										
0830	14.5	16.3		15.4											
0900	17.8	17.1		17.4											
0930	17.2	20.3		18.8											
1000	15.8	14.8		15.3											
1030	15.4	14.8		15.1											
1100	16.1	16.1		16.1											
1130	17.2	17.2		17.2											
1200	17.5	16.9		17.2											
1230	15.9	15.5		15.7											
1300	14.6	15.5		15.0											
1330	16.1	15.2		15.6											
1400	14.9	14.4		14.6											
1430	14.3	14.1		14.2											
1500	14.2	14.5		14.4											
1530	14.2	14.2		14.2											
1600	14.4	14.9		14.6											
1630	15.0	15.2		15.1	0	3-4					NNW	1-2			
1700	15.8	15.0		15.4	HAZY										
1730	14.8	15.7		15.2											
1800	16.1	15.1		15.6											
1830	14.3	13.3		13.8											
1900	14.2	15.2		14.7											
1930	15.6	16.4		16.0											
2000	16.3	19.2		17.8											
2030	18.4	20.2		19.7											
2100	18.5	19.2		18.8											
2130	18.8	18.1		18.4											
2200	18.2	18.5		18.4											
2230	20.7	19.7		20.2											
2300	19.5	18.7		18.6											
2330	19.2	20.6		19.9											309.26 + 0
2400	20.2	18.7		19.4											0.9739
	17.8	17.5		17.6											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 51 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

11.86(94)
321.44

	AH L2	AH L1	AL L2	AL L1	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	5.3		6.5			5.9											
0100	5.6		6.7			6.2											
0130	5.7		6.2			6.0											
0200	6.1		6.7			6.4											
0230	8.2		7.3			7.8											
0300	7.5		7.0			7.20											
0330	6.9		7.0			7.0											
0400	6.7		7.5			7.1											
0430	6.9		8.4			7.6											
0500	6.9		7.2			7.0											
0530	6.8		6.8			6.8											
0600	6.5		6.8			6.6											
0630	6.8		7.3			7.0											
0700	7.6		7.2			7.4											
0730	7.3		7.8			7.6	0.4	20-					E	<1			
0800	7.9		9.2			8.6	Ci	25									
0830	9.7		11.8			10.8											
0900	9.8		9.5			9.6											
0930	8.8		7.7			8.2											
1000	6.8		6.7			6.8											
1030	6.8		6.4			6.6											
1100	6.4		6.2			6.3											
1130	6.7		7.9			7.3											
1200	8.5		11.4			10.0											
1230	11.2		11.5			11.4											
1300	13.1		13.5			13.3											
1330	15.9		16.3			16.1	0.6	10					NW	6-8			
1400	13.3		15.0			14.2	Ci+Cc	12									
1430	15.4		14.2			14.8											
1500	14.5		13.3			13.9											
1530	13.7		13.8			13.8											
1600	13.5		15.3			14.4											End of Roll
1630			17.7														
1700	13.6		12.8			13.2											
1730	13.2		14.0			13.6											
1800	13.8		14.2			14.0											
1830	15.3		17.4			16.4											
1900	16.6		17.0			16.8											
1930	18.0		19.7			18.8											
2000	18.4		19.4			18.9											
2030	19.8		18.7			19.2											
2100	17.6		18.4			18.0											
2130	17.3		20.0			18.6											
2200	21.4		21.3			21.4											
2230	18.7		17.4			18.0											
2300	17.5		18.8			18.2											
2330	17.6		19.7			18.6											309.26 + 0
2400	24.2		24.1			24.2											0.9789

HN

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 51 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

7.98 (98)

317.46

	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	12.1		12.4			12.2											
0100	11.8		12.2			12.0											
0130	12.3		12.1			12.2											
0200	11.0		9.2			10.1											
0230	9.3		9.5			9.4											
0300	10.2		9.2			9.7											
0330	9.2		10.1			9.6											
0400	10.2		8.9			9.6											
0430	6.7		7.3			7.0											
0500	7.0		7.6			7.3											
0530	8.1		8.9			8.5											
0600	7.7		7.2			7.4											
0630	8.0		7.3			7.6											
0700	6.4		7.6			7.0											
0730	8.5		8.1			8.3	0.3	30					SE	1			
0800	8.7		9.2			9.0	ci										
0830	10.0		10.8			10.4											
0900	9.6		8.9			9.2											
0930	8.5		7.2			7.8											
1000	6.7		7.5			7.1											
1030	6.7		6.7			6.7											
1100	8.0		7.2			7.6											
1130	8.1		11.8			10.0											
1200	8.2		8.4			8.3											
1230	8.4		7.5			8.0											
1300	7.8		6.7			7.2											
1330	8.1		6.0			7.0											
1400	6.2		7.8			7.0											
1430	10.3		9.4			9.8											
1500	8.7		6.2			7.4											
1530	6.8		6.1			6.4	0.5	25					N	6-8			
1600	7.0		5.8			6.4	ci										
1630	6.8		M			6.8											Defrosted FO Trap
1700	6.1		5.6			5.8											
1730	6.5		7.5			7.0											
1800	6.2		6.1			6.2											
1830	5.7		6.4			6.0											
1900	9.4		8.9			9.2											
1930	8.1		7.3			7.7											
2000	7.6		6.5			7.0											
2030	7.4		6.3			6.8											
2100	5.3		7.0			6.2											
2130	6.2		6.0			6.1											
2200	5.3		7.2			6.2											
2230	6.3		7.5			6.9											
2300	7.2		7.8			7.5											
2330	7.4		7.7			7.6											309.26 + 0
2400	5.8		8.2			7.0											0.9739
Ex	7.4		6.2			6.8											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 51 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

10.63 (98)
320.18

	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	11.1		11.8			11.4											
0100	12.2		12.8			12.6											
0130	12.2		13.0			12.6											
0200	12.3		15.0			13.6											
0230	14.0		15.0			14.5											
0300	14.4		15.2			14.8											
0330	14.0		14.0			14.0											
0400	13.4		13.7			13.6											
0430	13.6		14.1			13.8											
0500	13.4		13.2			13.3											
0530	12.3		11.2			11.8											
0600	11.5		12.3			11.9											
0630	10.9		12.3			11.6											
0700	11.2		11.6			11.4											
0730	13.6		13.4			13.5	0.7	4.5					N-NE	6-8			
0800	11.4		11.8			11.6	Ci, Ac, + Sc										
0830	11.5		12.0			11.8											
0900	11.8		11.2			11.6											
0930	10.9		11.2			11.0											
1000	12.0		11.9			12.0											
1030	11.6		11.2			11.4											
1100	11.3		10.1			10.7											
1130	10.2		9.8			10.0											
1200	9.8		9.8			9.8											
1230	9.1		7.8			8.4											
1300	8.2		7.8			8.0											
1330	9.0		8.5			8.8											
1400	8.4		8.3			8.4											
1430	8.4		10.2			9.3											
1500	8.3		7.9			8.1											
1530	7.8		8.2			8.0	0.3										
1600	7.8		7.8			7.8	Ci	6-7					NW	3-5			
1630	7.3		7.7			7.5											
1700	7.3		7.5			7.4											
1730	7.4		7.5			7.4											
1800	6.8		7.0			6.9											
1830	6.4		6.8			6.6											
1900	9.0		8.1			8.6											
1930	7.5		7.8			7.6											
2000	7.9		7.9			7.9											
2030	6.3		7.8			7.0											
2100	9.8		13.2			11.5											
2130	13.8		18.2			16.0											
2200	10.8		8.3			9.6											
2230	9.2		8.9			9.0											
2300	8.7		10.4			9.6											
2330	10.5		10.6			10.6											309.26 + 0
2400	11.3		15.2			13.2											0.9739
Ex	14.9		11.6			13.2											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 51 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

13.97 (98)
333.61

	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	16.5		16.5			16.5											
0100	17.0		16.7			16.8											
0130	16.1		16.0			16.0											
0200	16.7		17.9			17.3											
0230	17.4		16.1			16.8											
0300	17.2		19.0			18.1											
0330	19.3		20.8			20.0											
0400	20.7		21.3			21.0											
0430	20.0		23.3			21.6											
0500	23.8		21.5			22.6											
0530	21.7		20.9			21.4											
0600	19.8		20.5			20.2											
0630	20.0		19.1			19.6											
0700	20.5		18.2			19.4											
0730	18.7		17.2			18.0	OVC	1.5					SE	1-2			
0800	18.7		17.2			18.0	ST										
0830	14.0		17.8			15.9											
0900	18.8		18.5			18.6											
0930	15.8		16.7			16.2											
1000	14.7		20.0			17.4											
1030	14.7		15.7			15.2											
1100	14.2		13.5			13.8											
1130	12.7		12.4			12.6											
1200	12.0		11.8			11.9											
1230	11.3		9.8			10.6											
1300	9.6		9.2			9.4											
1330	8.0		7.9			8.0											
1400	8.1		8.0			8.0											
1430	7.4		8.2			7.8											
1500	8.5		8.7			8.6											
1530	8.1		9.8			9.0	1.0	6					SSW	4-7			
1600	9.3		9.2			9.2	ST										
1630	9.5		9.8			9.6											
1700	10.0		10.1			10.0											
1730	10.6		12.0			10.8											
1800	10.9		11.9			11.4											
1830	11.9		11.2			11.6											
1900	11.7		11.4			11.6											
1930	11.5		12.1			11.8											
2000	12.6		12.5			12.6											
2030	12.3		11.8			12.0											
2100	11.4		11.0			11.2											
2130	13.1		13.5			13.3											
2200	11.5		11.4			11.4											
2230	11.3		11.4			11.4											
2300	11.5		11.7			11.6											
2330	11.1		12.0			11.6											30926 + 0
2400	11.3		11.8			11.6											0.9739
Ex	11.3		11.6			11.4											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 51 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

21.84 (96)
331.69

	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	32.5		27.5			30.0											
0100	25.4		22.2			23.5											
0130	24.3		20.3			22.3											
0200	20.9		23.7			22.0											
0230	24.5		25.4			25.0											
0300	26.2		23.4			24.8											
0330	24.6		25.6			25.1											
0400	24.0		24.7			24.4											
0430	24.3		25.7			25.0											
0500	27.8		27.3			27.6											
0530	26.4		26.4			26.4											
0600	26.2		25.7			26.0											
0630	25.8		25.2			25.6											
0700	24.6		26.7			25.6											
0730	28.7		29.2			29.0											
0800	26.6		26.8			26.7											
0830	26.6		26.7			26.6											
0900	26.6		26.2			26.4											
0930	25.7		27.7			26.7											
1000	26.3		29.3			27.8											
1030	29.6		29.3			29.4	0.3 Ci	1-2					NW	3-5			
1100	29.9		27.5			28.6	HAZE										End of Roll
1130	27.4		26.0			26.7	FOG	1/2-3/4									
1200	26.7		26.1			26.4											
1230	26.6		26.4			26.5											
1300	26.1		24.7			25.4											
1330	22.7		21.9			22.3											
1400	21.8		21.0			21.4											
1430	21.4		21.2			21.3											
1500	19.9		16.3			18.1											
1530	16.6		16.2			16.4											
1600	16.3		15.8			16.0											
1630	15.8		14.3			15.0											
1700	14.1		13.3			13.7											
1730	13.5		13.3			13.4											
1800	13.2		13.0			13.1											
1830	13.3		13.5			13.4											
1900	13.5		13.4			13.4											
1930	13.6		13.5			13.6											
2000	13.5		13.6			13.6											
2030	13.6		14.7			13.6											
2100	14.1		14.8			14.4											
2130	15.9		17.0			16.4											
2200	16.5		17.4			17.0											
2230	17.0		17.8			17.4											
2300	18.2		19.2			18.7											
2330	19.2		23.2			21.2											309.26 + 0
2400	24.6		25.7			25.2											0.9739

HN over

	AH	AL	AVE.
ex	21.7	18.7	
ex	17.7	16.7	
ex	16.8	17.2	

187
167
172
526

$$3\overline{)526}\ 175$$

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 61 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

28.11 (96)
338.13

	AH ~~Ø~~	AH ~~½~~	AL ~~Ø~~	AL ~~½~~	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	46	7	47	0		45.4											
0100	42	8	42	3		42.6											
0130	39	9	38	5		39.2											
0200	36	4	33	2		39.8											
0230	32	4	29	5		30.8											
0300	29	2	30	2		29.7											
0330	29	2	27	2		28.2											
0400	23	7	24	1		23.9											
0430	23	7	20	8		22.2											
0500	21	8	20	8		21.3											
0530	21	2	19	2		20.2											
0600	20	8	19	5		20.2											
0630	19	7	21	5		20.6											
0700	20	9	23	8		22.4											
0730	21	8	24	7		23.2											
0800	29	7	28	4		29.0											
0830	30	0	31	5		30.8											
0900	23	0	31	4		27.2											
0930	28	4	29	6		29.0											
1000	27	9	23	4		25.6											
1030	18	0	23	6		20.8											
1100	24	0	23	2		23.6											
1130	23	7	23	1		23.4											
1200	28	7	32	7		30.7											
1230	33	0	33	2		33.1	SMOG CLEAR ABOVE	500 Yo					N	<1			
1300	32	3	32	2		32.2											
1330	32	0	31	2		31.6											
1400	31	3	29	0		30.2											
1430	29	3	26	1		27.7											
1500	25	4	23	9		24.6											
1530	26	0	26	2		26.1											
1600	26	6	26	2		26.4											
1630	27	9	27	7		27.8											
1700	27	4	36	5		32.0											
1730	39	3	36	9		38.1	SMOG NO CLOUDS						0	–			
1800	33	6	35	5		34.6											
1830	37	5	34	7		36.1	CLEARING	5					SSE	1-2			
1900	27	3	22	4		24.8											
1930	19	1	19	4		19.2											
2000	20	8	21	6		21.2											
2030	20	2	21	5		20.8											
2100	19	8	21	1		20.4											
2130	24	1	26	2		25.2											
2200	25	3	25	3		25.3											
2230	23	8	33	4		28.6											
2300	32	9	29	4		31.2											
2330	25	3	28	8		27.0											309.26 + 0
2400	36	3	34	6		35.4											0.9739

HN

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 51 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

28.962(73)
339.00

	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	M		24.5			24.5											
0100	M		20.0			20.0											
0130	20.4		21.8			21.1											
0200	18.2		18.5			18.4											
0230	18.0		17.6			17.8											
0300	17.0		17.2			17.1											
0330	14.7		15.9			15.3											
0400	12.8		14.0			13.4											
0430	13.1		13.8			13.4											
0500	12.7		14.6			13.6											
0530	12.0		11.8			11.9											
0600	11.2		12.6			11.9											
0630	12.8		13.2			13.0											
0700	11.4		11.9			11.6											
0730	11.3		12.2			11.8											
0800	11.3		13.3			12.3											
0830	12.0		17.1			12.6	0.7	10-					0	–			
0900	16.9		13.1			15.0	Ci+Cs	12									
0930	14.0		12.5			13.2											
1000	12.2		12.7			12.4											
1030	12.8		M			12.8											No Trace
1100	M		11.8			11.8											
1130	13.3		M			13.3											
1200																	Found Paper Jammed At 1600
1230																	
1300																	
1330																	
1400																	
1430																	
1500																	
1530							SMOG	3-4					NNE	2-4			
1600																	
1630			61.3														
1700																	
1730	60.1		62.0			60.2											
1800	60.1		58.8			59.4											
1830	62.4		53.8			48.1											
1900	59.0		62.8			60.9											
1930	64.2		62.0			63.1											
2000	54.7		56.1			55.4											
2030	52.3		51.4			51.8											
2100	51.6		52.4			52.0											
2130	51.5		54.7			53.1											
2200	53.2		42.5			47.8											
2230	36.8		41.2			39.0											
2300	40.5		47.8			44.2											
2330	48.8		48.8			48.8											309.26 + 5
2400			57.4			55.2											0.9759
	59.5		59.3			59.4											

AH 54.2 AL 49.8

AL 49.8 — 52.0

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 5 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

25.56 (93)

335.51

	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	23.4		21.3			22.4											
0100	23.2		24.4			23.8											
0130	23.8		25.8			25.8											
0200	25.7		28.2			27.0											
0230	28.1		27.9			28.0											
0300	27.5		27.7			27.6											
0330	28.3		29.3			28.8											
0400	29.2		28.8			29.0											
0430	28.0		28.2			28.1											
0500	28.4		28.5			28.4											
0530	28.2		28.2			28.2											
0600	27.9		28.3			28.1											
0630	27.9		28.2			28.0											
0700	32.8		33.0			32.9											
0730	32.7		39.2			36.0		100 10.	F				S	1			
0800	37.2		29.8			32.4											
0830	M			M													Defrosted FO Trap
0900	~~M~~		27.8			27.8											Leak in flow guage
0930	27.5		26.8			27.2											
1000	26.8		26.2			26.6											
1030	27.2		26.5			26.8											
1100	26.5		25.5			26.0											
1130	25.4		25.4			25.4											
1200	25.8		26.8			26.3											
1230	25.0		24.5			24.8											
1300	24.5		19.7			22.1											
1330	18.3		21.2			19.8											
1400	21.3		26.4			23.8											
1430	26.2		24.2			25.2											
1500	24.0		23.5			23.8											
1530	23.1		23.8			23.4		2.5	F				N	4-8			
1600	23.7		23.4			23.6											
1630	25.0		25.2			25.1											
1700	23.7		26.7			25.2											
1730	26.5		28.3			27.6											
1800	28.8		29.8			29.3											
1830	30.8		32.2			31.5											
1900	33.8		33.1			33.4											
1930	30.8		29.7			30.2											
2000	28.7		19.2			24.0											
2030	16.7		16.6			16.6											
2100	14.8		13.2			14.0											
2130	14.5		15.8			15.2											
2200	15.5		16.5			16.0											
2230	16.2		16.8			16.6											
2300	18.7		22.4			20.6											
2330	24.2		23.8			24.0											30.926 + 0
2400	23.8		26.3			25.0											0.9739

HN

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 51 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

21.00 (94)

330.83

	AH L2	AL L4	L Diff.	L Ave.	Sky	Vis.	Weather	Sta. Press	Temp	D.P.	Wind Dir.	Wind Vel	R.H.	Wet Bulb	REMARKS
0030	14.9	15.4		15.2											
0100	19.6	20.2		19.9											
0130	17.5	14.9		16.2											
0200	18.8	19.4		19.1											
0230	17.4	17.0		17.2											
0300	19.7	19.8		19.8											
0330	20.0	20.7		20.4											
0400	21.6	21.4		21.5											
0430	20.3	20.4		20.4											
0500	19.8	19.8		19.8											
0530	19.7	19.7		19.7											
0600	M	20.0		20.0											
0630	19.9	20.0		20.0											
0700	20.6	20.7		20.6											
0730	M	22.6		22.6											
0800	21.9	20.9		21.4											
0830	20.4	M		20.4	OVC	200 YO					0	-			
0900	M	M													
0930	M	20.5		20.5											
1000	21.2	21.4		21.3											
1030	21.3	21.5		21.4											
1100	27.6	26.4		27.0											
1130	26.2	25.9		26.0											
1200	25.7	24.6		25.0											
1230	22.8	21.0		21.9											
1300	20.8	20.8		20.8											
1330	21.3	21.2		21.2											
1400	22.3	23.3		22.8											
1430	23.2	22.3		22.8											
1500	22.4	22.8		22.6											
1530	23.5	22.9		23.2											
1600	23.0	23.8		23.4											
1630	24.4	25.0		24.7	OVC	200 YO					N	6-8			
1700	25.8	24.7		24.2											
1730	23.0	23.3		23.2											
1800	21.0	17.8		19.4											
1830	14.8	15.6		15.2											
1900	14.6	14.2		14.4	✓										
1930	14.6	15.3		15.0											
2000	15.0	15.0		15.0											
2030	15.7	16.7		16.2											
2100	17.3	18.2		17.8											
2130	19.3	19.8		19.6											
2200	21.5	23.2		22.4											
2230	24.0	25.3		24.6											
2300	25.5	25.7		25.6											
2330	26.5	26.8		26.6											309.26 + 5
2400	26.5	26.9		26.8											0.9739
	24.1	23.4		23.8											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank (51) _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

15, 14 (65)

324.48

	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	19.2		19.6			19.4											
0100	18.8		19.1			19.0											
0130	18.9		19.7			19.3											
0200	19.7		19.7			19.7											
0230	20.1		21.2			20.6											
0300	19.6		19.6			19.6											
0330	19.8		19.6			19.7											
0400	21.0		21.2			21.1											
0430	21.1		21.1			21.1											
0500	21.5		22.4			22.0											
0530	22.8		23.8			23.3											
0600	26.9		28.2			27.6											
0630	26.7		24.6			25.6											
0700	16.4		16.4			16.4											
0730	17.3		17.1			17.2	Vis-1½ mi							15			(51) 1800 psi Zero 870 Span 340
0800	16.2		18.2			17.2	OVC 900'						NW	K			Flow AH AL 0.6 Ref-0.2 Freezer -50°F
0830		M					OVC 900'	1.5					NW	15			
0900		M															
0930		M															
1000		M															
1030		M															
1100		M															
1130		M															
1200		M															
1230		M															
1300		M															
1330		M					OVC	3.5					NW	12			
1400		M					Sc+St										
1430		M															
1500		M															
1530		M															
1600	10.5		9.9			10.2											
1630	9.8		8.7			9.2											
1700	8.1		8.1			8.1											
1730	8.6		8.2			8.4											
1800	6.3		6.4			6.4											
1830	6.2		5.7			6.0											
1900	6.5		6.5			6.5											
1930	6.7		5.6			6.0											
2000	6.9		8.6			7.8											
2030	M		11.2			11.2											Poor trace
2100	11.7		12.1			11.9											
2130	12.2		12.4			12.3											
2200	14.7		14.3			14.5											
2230	13.1		13.4			13.2											
2300	12.8		12.2			12.5											
2330	13.2		13.0			13.1											30926 + 5
2400	13.2		14.1			13.6											0.9739

REF Gas Analysis

HN

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 51 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

36.63 (76)
346.88

	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	35.4		36.3			35.8											
0100	37.1		38.3			37.7											
0130	40.2		43.7			41.9											
0200	43.5		44.1			43.8											
0230	41.4		40.4			40.9											
0300	39.0		38.2			38.6											
0330	37.9		37.9			37.9											
0400	36.6		36.8			36.7											
0430	35.2		35.3			35.2											
0500	35.6		36.0			35.8											
0530	35.4		36.0			35.7											
0600	34.1		34.8			34.4											
0630	34.9		35.4			35.2											
0700	31.7		32.0			31.8											
0730	39.5		39.9			39.7											
0800	33.3		33.7			33.5											
0830	33.6		32.2			32.9											
0900	33.6		32.7			33.2											
0930	32.7		32.3			32.5	0.2 Ci	4					N-W	0			
1000																	
1030																	
1100																	
1130																	
1200																	
1230																	
1300																	
1330																	
1400																	
1430							0.8-1.0 Ac	1					NNW	6-8			
1500	39.2		41.7			40.4	FOG										
1530	36.5		38.8			37.6											
1600	35.1		37.3			36.2											
1630	36.3		39.8			38.0											
1700	41.8		43.9			42.8											
1730	41.2		39.6			40.4											
1800	43.7		44.3			44.0											
1830	45.2		45.4			45.3											
1900	47.6		47.0			47.3											
1930	48.1		48.1			48.1											
2000	51.3		50.2			50.8											
2030	51.1		53.2			52.2											
2100	51.1		48.3			49.7											
2130	19.6		18.8			19.2											
2200	16.0		18.2			17.1											
2230	19.1		20.6			19.8											
2300	23.4		23.6			23.5											
2330	23.2		22.2			22.7											309.26 + 0
2400	23.4		24.3			23.8											0.9739

SHUT DOWN -- Cleaning and replacing copper tubing, valves, and guages

HN

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank (51) _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

336.48 (96)
336.46

	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
	All		Al														
0030	30.5		30.7			30.6											
0100	29.5		31.0			~~27~~	30.2										
0130	30.2		28.7			29.6											
0200	27.8		28.6			28.2											
0230	29.8		27.4			28.6											
0300	26.9		27.2			27.0											
0330	28.8		28.9			28.8											
0400	28.9		29.2			29.0											
0430	30.2		29.7			30.0											
0500	29.4		27.9			28.6											
0530	~~27~~		28.9			28.9											Poor trace
0600	30.0		30.1			30.0											
0630	29.6		29.6			29.6											
0700	27.8		28.3			28.0											
0730	27.2		26.3			26.8											
0800	26.7		27.8			27.2											
0830	~~14~~		28.5			28.5											Poor trace
0900	27.8		27.7			27.8											
0930	27.9		27.2			27.6											
1000	26.7		25.8			26.2											
1030	23.5		24.2			23.8											
1100	25.0		24.2			24.6											
1130	26.7		26.2			26.4											
1200	27.7		26.4			27.0											
1230	24.2		25.3			24.8											
1300	25.7		25.2			25.4											
1330	24.3		22.8			23.6											
1400	20.2		17.8			19.0											
1430	17.1		16.6			16.8											
1500	16.7		17.2			17.0											
1530	14.9		24.2			19.6											
1600	13.7		14.0			13.8	✓										
1630	14.4		15.1			14.8											
1700	16.5		16.9			16.7											
1730	21.7		21.8			21.8											
1800	23.4		26.3			24.8											
1830	28.3		29.0			28.6											
1900	28.5		28.8			28.6											
1930	28.7		29.5			29.1											
2000	28.9		28.9			28.9											
2030	29.4		30.3			29.8											
2100	29.4		29.6			29.5											
2130	31.4		31.3			31.4											
2200	29.6		29.9			29.8											
2230	32.2		32.7			32.4											
2300	30.7		30.2			30.4											
2330	30.4		30.0			30.4											309.26 + 5
2400	28.7		28.6			28.6											0.9739
	29.2		29.2			28.7											

28.4
28.3
28.4

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 51 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

22.74 (95)

3821.610

	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	26.8		27.1			27.0											
0100	25.2		26.2			25.7											
0130	28.1		28.4			28.2											
0200	26.8		29.8			28.3											
0230	28.6		28.1			28.4											
0300	26.7		26.4			26.6											
0330	24.8		23.9			24.4											
0400	23.4		24.6			24.0											
0430	25.6		26.3			26.0											
0500	27.7		26.8			27.2											
0530	23.7		23.6			23.6											
0600	25.4		25.3			25.4											
0630	23.4		23.4			23.4											
0700	23.2		22.8			23.0											
0730	21.9		21.4			21.6											
0800	24.1		22.8			23.4											
0830	28.1		29.7			28.9											
0900	28.7		28.6			28.6											
0930	M		27.1			27.1	SMOG	2.3					0	0			Poor trace
1000	22.2		22.6			22.4											
1030	23.7		23.4			23.6											
1100	23.4		22.9			23.2											
1130	22.7		22.4			22.6											
1200	22.1		22.2			22.2											
1230	17.3		16.6			17.0											17.1 16.4
1300	16.1		15.1			15.6											
1330	14.8		14.6			14.7											
1400	13.6		13.3			13.4											
1430	12.4		13.6			13.0											
1500	12.7		11.8			12.2											
1530	12.1		10.2			11.2											
1600	11.1		12.6			11.8											
1630	12.0		11.3			11.6											
1700	11.6		12.7			12.2											
1730	12.9		11.6			12.2											
1800	17.7		15.2			16.4											
1830	13.9		15.8			14.8											
1900	21.0		21.4			21.2											
1930	25.2		25.1			25.2											
2000	25.2		27.3			26.2											
2030	29.3		30.2			29.8											
2100	28.2		27.9			28.0											
2130	29.1		29.5			29.3											
2200	28.8		29.3			29.0											
2230	30.6		30.0			30.3											
2300	28.3		33.4			30.8											
2330	30.7		30.2			30.4											309.26 + 0
2400	30.2		30.2			30.2											0.9759

15.7 - 16.4 - 17.1

HN

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank (51) _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

18.71 (66)
328.48

	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	24.9		21.6			23.2											
0100	19.3		19.6			19.4											
0130	20.1		20.3			20.2											
0200	17.5		20.2			18.8											
0230	18.4		19.9			19.2											
0300	22.3		21.7			22.0											
0330	20.7		20.1			20.4											
0400	15.7		15.6			15.6											
0430	14.5		16.3			15.4											
0500	15.7		15.3			15.5											
0530	14.4		15.1			14.8											
0600	18.9		17.7			18.3											
0630	16.1		16.9			16.5											
0700	19.2		19.2			19.2											
0730	17.2		16.9			17.0	0.7										
0800	16.9		18.4			17.6	Ac+As	3-4					CALM				
0830	20.7		24.0			22.4											
0900	28.4		25.4			26.9											
0930	21.8		22.2			22.0											(51) 1910 psi
1000		M															0941 PST Shut down
1030		M															for ref. tank analysis
1100		M															
1130		M															
1200		M															
1230		M															
1300		M															
1330		M															
1400		M															
1430		M															
1500		M															
1530		M					<0.1 Ci										
1600		M					AB a Sc A7 SEA	2-3					N	I			
1630		M															
1700		M															
1730	17.2		15.0			16.1											
1800	10.3		10.1			10.2											
1830	11.6		13.3			12.4											
1900	15.2		16.3			15.8											
1930	16.7		16.2			16.4											
2000	22.1		21.8			21.4											
2030	19.8		20.6			20.2											
2100	20.4		15.9			18.2											
2130	12.1		12.7			12.4											
2200	14.8		17.7			16.2											
2230	21.6		22.1			21.8											
2300	22.9		22.4			22.6											
2330	23.4		26.2			24.8											309.26 + 0
2400	24.3		24.6			24.4											0.9739

REF. TANK ANALYSIS

HN

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 51 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

16.20 (97)
325.90

	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	17.2		21.6			19.4											
0100	15.6		16.4			16.0											
0130	15.8		14.4			15.1											
0200	16.4		15.8			16.1											
0230	15.7		15.3			15.5											
0300	16.1		15.9			16.0											
0330	~~14~~		13.4			13.4											Poor trace
0400	12.8		13.4			13.1											
0430	13.5		13.9			13.7											
0500	14.0		14.2			14.1											
0530	14.7		15.0			14.8											
0600	15.1		15.1			15.1											
0630	12.4		13.3			12.8											
0700	12.9		11.8			12.4											
0730	11.3		11.1			11.2											
0800	9.2		10.7			10.0											
0830	12.0		14.9			13.4											
0900	19.1		15.8			17.4											
0930	17.5		15.8			16.6											
1000	19.6		17.8			18.7											
1030	14.3		15.6			15.0	0.1	90					W	5-6			
1100	10.4		9.3			9.8	Ci										
1130	10.2		10.4			10.3											
1200	11.2		10.8			11.0											
1230	11.6		13.3			12.4											
1300	12.6		11.6			12.1											
1330	11.7		11.4			11.6											
1400	11.6		11.8			11.7											
1430	10.7		10.0			10.4											
1500	9.6		10.1			9.8											
1530	11.9		10.6			11.2											
1600	10.4		9.9			10.2											
1630	9.1		10.2			9.6											
1700	10.6		8.8			9.7											
1730	9.9		9.5			9.7											
1800	5.3		10.1			7.7											
1830	10.6		10.6			10.6											
1900	15.6		15.7			15.6											
1930	20.9		24.2			22.6											
2000	29.6		29.2			29.4											
2030	28.3		27.5			27.9											
2100	26.7		26.7			26.7											
2130	28.3		29.7			29.0											
2200	29.1		27.6			28.4											
2230	26.9		27.3			27.1											
2300	24.3		21.6			23.0											
2330	23.7		30.8			27.2											309.26 + 0
2400	29.8		31.9			30.8											0.9739
	28.2		28.4			28.3											

11.0 11.0 11.0

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 51 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

13.46 (67)
323.08

	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	12.3		13.5			12.9											
0100	12.5		13.2			12.8											
0130	12.7		12.5			12.6											
0200	12.8		12.9			12.8											
0230	13.0		13.4			13.2											
0300	13.6		13.5			13.6											
0330	12.8		12.7			12.8											
0400	12.3		11.4			11.8											
0430	m		m														
0500	m		m														
0530	m		m														
0600	m		m														
0630	m		m														
0700	m		m														
0730	m		m														
0800	m		m														
0830	m		m														
0900	m		m														
0930	m		m														
1000	m		m														
1030	m		m														
1100	m		m														
1130	~~max~~		18.9			18.9	0.7										
1200	19.5		19.2			19.4	Cs	30					NW	4			
1230	14.1		12.1			13.1											
1300	11.7		10.6			11.2											
1330	13.4		12.4			12.9											
1400	12.1		10.9			11.5											
1430	11.6		11.3			11.4											
1500	10.2		12.2			11.2											
1530	9.7		9.2			9.4											
1600	9.2		8.2			8.7											
1630	7.9		7.1			7.5	✓0.3										
1700	9.0		11.7			10.4	Ci	8-10					N	5-7			51 2050 psi Rg 0.25/min AL 0.3/0.1 AH 0.4/0.1
1730	14.1		14.1			14.1											
1800	13.9		13.2			13.6											
1830	14.5		14.7			14.6											
1900	12.4		13.8			13.1											
1930	16.5		18.6			17.6											
2000	14.8		16.8			15.8											
2030	14.2		14.2			14.2											
2100	16.7		17.2			17.0											
2130	13.1		14.1			13.6											
2200	16.0		16.6			16.3											
2230	15.4		15.3			15.4											
2300	13.7		14.6			14.2											
2330	16.8		15.1			16.0											30.926 + 5
2400	13.8		14.6			14.2											0.9739

slide-wire contact was sticking

HN

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank (51) From Ref tank test of _____

Tank Press. _____ psI Obs. _____

6.82 (95)

316.26

	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	5.2		6.1			5.6											
0100	5.5		5.8			5.6											
0130	5.0		5.3			5.2											
0200	5.1		5.1			5.1											
0230	5.1		5.0			5.0											
0300	8.5		6.9			7.7											
0330	5.6		5.7			5.6											
0400	6.4		5.7			6.0											
0430	6.5		6.4			6.4											
0500	6.2		5.9			6.0											
0530	7.1		6.3			6.7											
0600	5.7		5.9			5.8											
0630	6.1		6.0			6.0											
0700	4.8		4.8			4.8											
0730	5.6		5.1			5.4											
0800	4.8		4.5			4.6											
0830	xm		xm				0.8	15					S	6-8			Poor trace
0900	5.2		4.8			5.0	Heavy Cu										
0930	6.2		5.3			5.8											
1000	4.4		4.5			4.4											
1030	4.9		4.3			4.6											
1100	5.1		4.6			4.8											
1130	4.8		4.3			4.6											
1200	4.6		3.9			4.2											
1230	4.4		4.3			4.4											
1300	5.0		4.3			4.6											
1330	5.3		3.9			4.6											
1400	4.8		3.4			4.1	✓										
1430	4.9		4.9			4.9											
1500	✗		2.7			2.7	✓										Poor trace
1530	4.6		4.1			4.4											
1600	6.4		4.6			5.5											
1630	4.1		4.6			4.4	0.2	15					W	3			
1700	m		4.6			4.6	Cu										Reset zero + testing flow
1730	4.2		4.3			4.2											
1800	9.7		9.6			9.6											AH = 9.2
1830	8.9		11.5			10.7											
1900	8.0		11.7			9.8											
1930	12.1		11.2			11.6											
2000	10.3		11.4			10.8											
2030	14.3		14.3			14.3											
2100	11.4		12.1			11.8											
2130	11.2		10.8			11.0											
2200	9.6		8.8			9.7											
2230	10.8		9.5			10.2											
2300	11.8		10.9			11.4											
2330	12.0		11.5			11.8											309.26 + 0
2400	11.1		10.8			11.0											0.9739
	10.4		10.6			10.5											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank (51) _____ From Ref tank test of _____

Tank Press. _____ psI Obs. _____

6.43 (45)
315.86

	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		M					Ran out of chart paper										
0100		M															
0130		M															
0200		M															
0230		M															
0300		M															
0330		M															
0400		M															
0430		M															
0500		M															
0530		M															
0600		M															
0630		M															
0700		M															
0730		M															
0800		M															
0830		M															
0900		M															
0930		M															
1000		M															
1030		M															
1100		M															
1130	M		3.1			3.1	1.0 Cu+St.Cu. STORM COMING	15-20					SSE	4-8			(51) 2040 psi Span 340 Zero 265
1200	M		M														
1230	M		M														
1300	M		6.9			6.9											
1330	5.2		6.1			5.6											
1400	6.2		5.7			6.0											
1430	5.6		6.1			5.8											
1500	6.6		6.2			6.4											
1530	5.4		5.0			5.2											
1600	5.4		5.7			5.6											
1630	6.0		5.7			5.8	1.0	~15					S-SSW	8-11			
1700	5.4		6.3			5.8	Cu CONGESTUS										
1730	6.5		6.5			6.5											
1800	6.3		6.3			6.3											
1830	6.3		6.4			6.4											
1900	6.9		7.7			7.3											
1930	7.4		8.2			7.8											
2000	10.6		10.0			10.3											
2030	8.6		8.7			8.6											
2100	7.9		7.7			7.8											
2130	6.7		6.9			6.8											
2200	6.3		6.9			6.6											
2230	4.2		4.3			4.2											
2300	4.8		4.7			4.8											
2330	5.4		5.7			5.6											309.76 + 0
2400	6.2		5.4			5.8											0.9739

HN

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank (51) _____ From Ref tank test of _____

Tank Press. _____ psI Obs. _____

7.89182

317.36

	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	M	M															
0100	8.7	9.3				9.0											
0130	9.4	10.6				10.0											
0200	10.4	10.7				10.6											
0230	8.8	8.4				8.6											
0300	11.3	12.9				12.1											
0330	10.8	9.5				10.2											
0400	8.9	9.6				9.2											
0430	8.5	9.2				8.8											
0500	8.3	8.4				8.4											
0530	7.9	8.1				8.0											
0600	8.2	8.7				8.4											
0630	7.9	8.1				8.0											
0700	8.1	7.2				7.6											
0730	7.3	7.0				7.2											
0800	6.9	7.1				7.0											
0830	7.2	7.2				7.2											
0900	7.2	7.7				7.4											
0930	8.2	7.7				8.0											
1000	8.2	7.2				7.7											
1030	8.0	7.8				7.9											
1100	7.4	7.3				7.4											
1130	7.2	7.6				7.4											
1200	7.2	8.9				8.0											
1230	7.6	6.1				6.8											
1300	6.4	6.2				6.3											
1330	6.8	6.4				6.6											
1400	6.9	6.4				6.6											
1430	6.6	6.6				6.6											
1500	6.2	5.8				6.0											
1530	6.6	5.9				6.2											
1600	6.5	6.4				6.4											
1630	6.3	6.2				6.2											
1700	6.3	5.9				6.1											
1730	5.7	6.0				5.8											
1800	6.4	10.2				8.3											
1830	7.9	7.4				7.6	0.5	10-					SE	2-5			
1900	7.6	7.3				7.4	ST. CU.	15									
1930	7.7	8.8				8.2											
2000	8.6	10.2				9.4											
2030	10.2	9.4				9.8											
2100	9.8	8.6				9.2											
2130	M						Ran										
2200	M																
2230	M						Out of										
2300	M						Chart Paper										
2330	M																30.926 + 0
2400	M																0.9739

MN

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank (51) _____ From Ref tank test of _____

Tank Press. _____ psi Obs. _____

9.56 (98)
319.08

	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	5.2	7.9				6.6											
0100	8.3	6.9				7.6											
0130	12.6	11.1				11.8											
0200	11.7	13.8				12.8											
0230	11.2	11.0				11.1											
0300	14.6	13.8				14.2											
0330	11.5	9.6				10.6											
0400	11.4	10.6				11.0											
0430	13.7	14.6				14.2											
0500	15.2	14.3				13.8											
0530	12.7	11.2				12.0											
0600	10.0	9.6				9.8											
0630	8.5	7.7				8.1											
0700	7.1	7.4				7.2											
0730	7.6	7.5				7.6											
0800	7.5	6.9				7.2											
0830	7.0	6.9				7.0											
0900	7.8	8.4				8.1											(51) 2090 psi
0930	9.2	6.9				8.0	0.1-0.2	8-					SE	2-3			
1000	7.2	7.6				7.4	St. Cu. & Cu.	10									
1030	7.7	7.3				7.5											
1100	7.3	5.7				6.5											
1130	6.1	5.7				5.9											
1200	6.0	5.8				5.9											
1230	5.9	5.8				5.8											
1300	6.2	5.7				6.0											
1330	6.2	5.8				6.0											
1400	6.3	6.4				6.4											
1430	6.3	5.6				6.0											
1500	6.3	5.7				6.0											
1530	6.3	6.0				6.2											
1600	6.5	6.9				6.7											
1630	7.6	7.8				7.7											
1700	12.7	12.7				12.7											
1730	12.4	13.0				12.7											
1800	13.4	13.4				13.4											
1830	14.1	14.9				14.5											
1900	17.7	14.6				16.2											
1930	12.4	11.2				11.8											
2000	10.8	10.9				10.8											
2030	10.9	12.1				11.5											
2100	12.3	10.0				11.2											
2130	10.0	10.6				10.3											
2200	11.3	10.2				10.8											
2230	9.8	9.3				9.6											
2300	9.3	9.7				9.5											
2330	9.1	8.2				8.6											309.26+ 0
2400	8.0	7.9				8.0											0.9759
	8.7	8.8				8.8											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 83 From Ref tank test of _____

Tank Press. _____ psi Obs. _____

318.56 9.34 (60)
318.42 8.92 (38)
318.51

	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	11.9	12.7				12.3											
0100	12.1	12.1				12.1											
0130	11.7	12.1				11.9											
0200	11.4	11.9				11.6											
0230	11.1	10.9				11.0											
0300	11.0	11.2				11.1											
0330	10.6	11.4				11.0											
0400	11.2	11.6				11.4											
0430	11.4	11.1				11.2											
0500	10.4	10.6				10.5											
0530	10.9	11.2				11.0											
0600	11.1	11.4				11.2											
0630	11.3	11.1				11.2											
0700	11.4	11.4				11.4											
0730	10.5	11.1				10.8											
0800	11.3	11.8				11.6											
0830	12.3	12.9				12.6											
0900	12.4	11.6				12.0											
0930	12.8	12.7				12.8	~~0.1-0.2~~	~~8-~~					~~SE 2-3~~				
1000	8.2	7.6				7.9	~~St.Cu. Cu.~~	~~10~~									
1030	6.8	6.8				6.8											
1100	6.8	5.9				6.4											
1130	6.1	5.9				6.0											
1200	6.2	6.4				6.3											
1230	6.4	5.5				6.0											
1300	5.9	5.5				5.7											
1330	5.8	5.3				5.6			83								
1400	5.6	5.4				5.5											
1430	5.6	6.3				6.0	<0.1	10-					SW 8-10				
1500	5.6	5.2				5.4	~~ST.CU.~~	15									
1530	6.1	5.4				5.8											Change to tank 51
1600	6.0	6.4				6.2											
1630	6.2	6.5				6.4			51								
1700	6.6	7.2				6.9											
1730	8.2	8.4				8.3											
1800	7.3	8.2				7.8											
1830	12.1	12.2				12.2	~~OVERCAST~~	12-					~~SE 2-5~~				
1900	9.1	9.3				9.2	~~ST.Cu.~~	~~15~~									
1930	9.2	9.2				9.2											
2000	8.1	8.2				8.2											
2030	8.3	13.2				10.8											
2100	11.1	13.9				12.5											
2130	12.4	10.9				11.6											
2200	10.6	10.7				10.6											
2230	12.5	12.3				12.4											83 308.82 + 0/0.9800
2300	12.6	10.9				11.8											
2330	7.8	7.4				7.6											51 309.26 + 0/0.9259
2400	6.4	6.0				6.2											
	4.7	5.7				5.2											

CARBON DIOXIDE DATA STATION SIO Pier Sheet No. _____

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

One ordinate - _____ ppm

Flow _____ lpm _____ Working Ref. Tank 83 From Ref tank test of _____

Tank Press. _____ psI Obs. _____

8.48 (98)

317.53

	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	12.8				12.8											
0100	14.3	11.9				13.0											
0130	12.4	11.8				12.1											
0200	8.6	8.2				8.4											
0230	7.2	7.7				7.4											
0300	7.1	8.2				7.6											
0330	7.2	6.9				7.0											
0400	7.4	6.7				7.0											
0430	8.1	7.1				7.6											
0500	7.3	7.4				7.4											
0530	6.6	6.8				6.7											
0600	6.7	7.8				7.2											
0630	7.6	6.6				7.1											
0700	6.4	7.4				6.9											
0730	6.7	6.2				6.4											
0800	6.8	6.7				6.8											
0830	6.8	6.5				6.6											
0900	6.4	6.2				6.3											
0930	8.8	8.1				8.4	<0.1	>30					SE	2-5			
1000	8.9	8.8				8.8	Ci										
1030	10.1	9.4				9.8											
1100	10.4	8.2				9.3											
1130	7.2	6.4				6.8											
1200	6.6	5.4				6.0											
1230	6.3	6.4				6.4											
1300	6.4	5.8				6.1											
1330	6.6	6.4				6.5											
1400	6.8	6.8				6.8											
1430	7.4	7.3				7.4	~~<0.1~~	~~>15~~					~~SW~~	~~8-10~~			
1500	7.9	7.6				7.8	~~St. Cu.~~										
1530	7.8	7.3				7.6											
1600	7.7	7.8				7.8											
1630	9.0	9.2				9.1											
1700	10.0	8.7				9.4											
1730	8.0	8.3				8.2											
1800	8.8	8.8				8.8											
1830	8.9	8.6				8.8											
1900	8.6	8.7				8.6											
1930	9.7	9.6				9.6											
2000	8.9	8.7				8.8											
2030	8.7	8.4				8.6											
2100	10.1	11.3				10.7											
2130	10.8	10.2				10.5											
2200	9.7	10.7				10.2											
2230	12.7	10.8				11.8											
2300	8.8	10.3				9.6											
2330	10.6	11.7				11.2											308.83 + 0
2400	11.6	10.7				11.2											0.9800