INSTRUMENT LINEARITY TEST

VEHICLE: P.C. BOX VAN #1
DATE: 5-31-89
ANALYZER: NOX
MFG: THERMO-ELECTRON
MODEL: 10
SERIAL #: 10A/R-23488-210

BLEND GAS: SCOTT
CYL #: CC112919
CAL GAS VALUE: 79.3
ANALYZER RANGE: 0-100

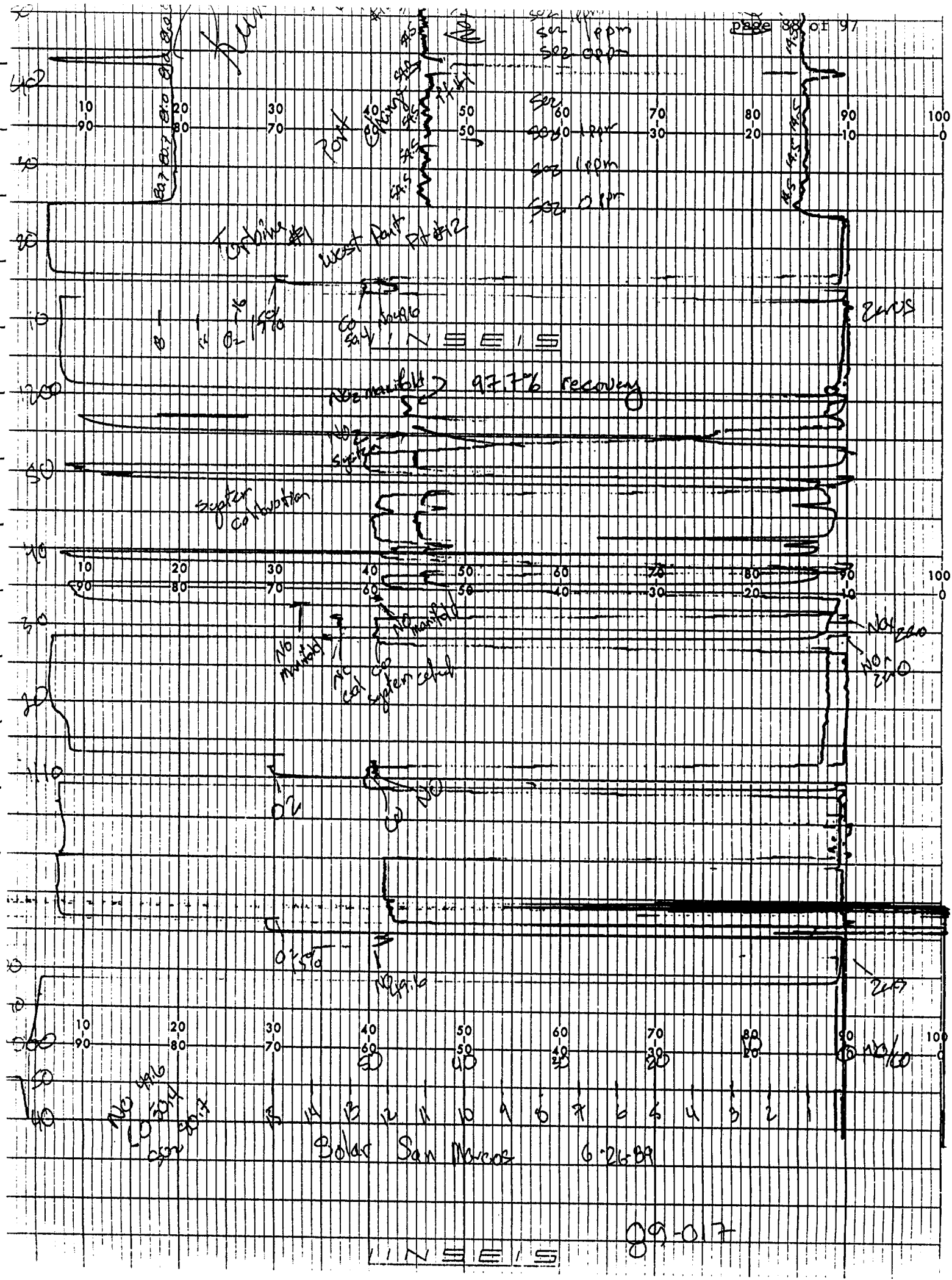
MASS FLOWMETER SETTINGS (LPM)

BLEND	DILUTION	ANALYZER VALUE	ACTUAL VALUE	PERCENT DEVIATION
2	0	79.3	79.3	0.00
2.22	0.71	59.8	60.08	0.47
1	1	39.3	39.65	0.88
0.5	1.5	19.8	19.83	0.13
0	1.95	0	0	0.00

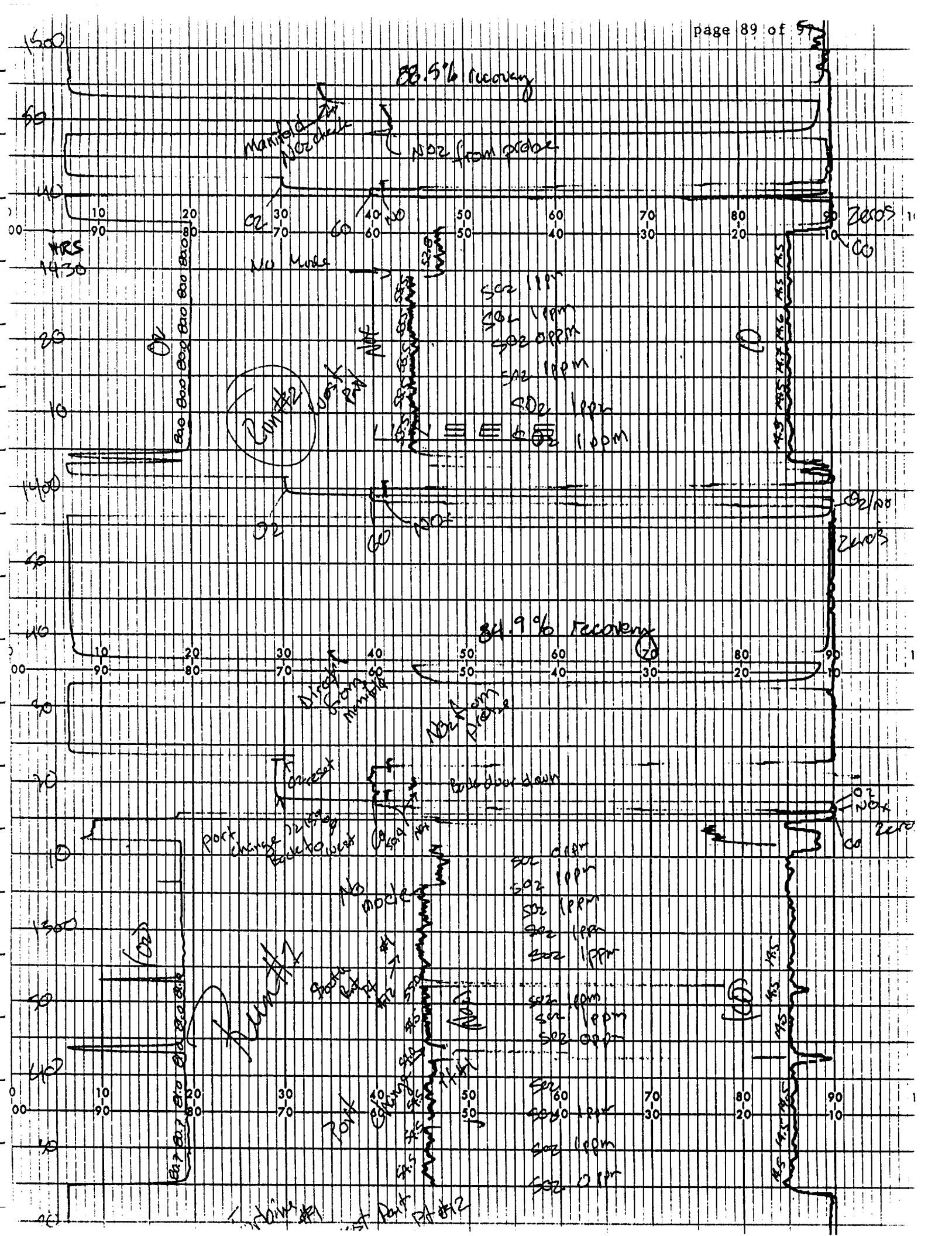
AVERAGE: 0.30

APPENDIX D1
INSTRUMENT STRIP CHARTS

Strip charts



SO2 1ppm
SO2 0ppm
Port Cabinet
Turbine #1
West Port Pt #12
Zeros
97.7% recovery
NO2 manifold
NO2 system
system calibration
NO manifold
NO col
CO system calib
NO
O2
O2 15%
NO 49.6
Solar San Marcos 6-26-89
89-017


88.5% recovery
Manifold NO2 check
NO2 from probe
O2
CO
NO
Zeros
CO
HRS 1430
No Mode
SO2 1ppm
SO2 1ppm
SO2 0ppm
SO2 1ppm
SO2 1ppm
SO2 1ppm
Run #2
West Pt
O2
CO
O2/NO
Zeros
84.9% recovery
Direct from manifold
NO2 from probe
O2 reset
Back door down
O2
NOx
Zero
CO
port change 72 15% back to west
No mode
SO2 0ppm
SO2 1ppm
SO2 1ppm
SO2 1ppm
SO2 1ppm
SO2 1ppm
SO2 1ppm
SO2 0ppm
Run #1
Port change
SO2
SO2 1ppm
SO2 1ppm
SO2 0ppm
Turbine #1
West Pt #12