

APPLIED GEOMECHANICS INC.
CALIBRATION CERTIFICATE

Model 902, Serial Number 3359

Date: 08-21-1998

X-AXIS CALIBRATION			Y-AXIS CALIBRATION		
Theta	X-OUTPUT	Y-OUTPUT	Theta	X-OUTPUT	Y-OUTPUT
-51.600	-1.9758	-0.0245	-52.2444	-0.0882	-2.096
-48.098	-1.7555	-0.0304	-48.7425	-0.0819	-1.841
-44.596	-1.5622	-0.0354	-45.2406	-0.0775	-1.641
-41.083	-1.3898	-0.0400	-41.7360	-0.0734	-1.455
-37.548	-1.2327	-0.0432	-38.1984	-0.0700	-1.288
-33.997	-1.0871	-0.0468	-34.6471	-0.0661	-1.135
-30.481	-0.9538	-0.0507	-31.1287	-0.0638	-0.990
-26.949	-0.8281	-0.0531	-27.5938	-0.0609	-0.864
-23.439	-0.7088	-0.0559	-24.0837	-0.0588	-0.741
-19.891	-0.5940	-0.0587	-20.4088	-0.0567	-0.616
-16.224	-0.4792	-0.0605	-16.8684	-0.0546	-0.506
-12.686	-0.3718	-0.0629	-13.3308	-0.0534	-0.396
-9.149	-0.2661	-0.0642	-9.7932	-0.0515	-0.288
-5.600	-0.1627	-0.0665	-6.2446	-0.0510	-0.183
-2.043	-0.0589	-0.0686	-2.6878	-0.0497	-0.079
1.508	0.0444	-0.0700	0.8635	-0.0489	0.025
5.059	0.1474	-0.0717	4.4148	-0.0479	0.129
8.613	0.2526	-0.0732	7.9689	-0.0472	0.234
12.173	0.3595	-0.0744	11.5285	-0.0462	0.340
15.730	0.4692	-0.0759	15.0853	-0.0456	0.447
19.270	0.5828	-0.0769	18.6229	-0.0452	0.562
22.764	0.6990	-0.0783	22.1166	-0.0449	0.677
26.233	0.8214	-0.0791	25.5855	-0.0448	0.795
29.699	0.9510	-0.0803	29.0517	-0.0454	0.921
33.173	1.0892	-0.0812	32.5261	-0.0458	1.055
36.640	1.2390	-0.0823	35.9923	-0.0462	1.198
40.084	1.4024	-0.0835	39.4365	-0.0465	1.353
43.517	1.5849	-0.0843	42.8697	-0.0475	1.523
46.953	1.7918	-0.0855	46.3057	-0.0490	1.714
50.400	2.0328	-0.0871	49.7527	-0.0507	1.932

Theta is reported in: Arc Degrees

X and Y outputs are reported in Volts.

X-Axis calibration temperature = 23.6 deg. C

Y-Axis calibration temperature = 21.2 deg. C

Scale Factors are determined by linear regression of all data points for each axis of calibration.

X-AXIS SCALE FACTOR = 28.43 Arc Degrees/volt

Maximum nonlinearity (% of full span), X-AXIS = 6.8402

Y-AXIS SCALE FACTOR = 28.3 Arc Degrees/volt

Maximum nonlinearity (% of full span), Y-AXIS = 6.8293

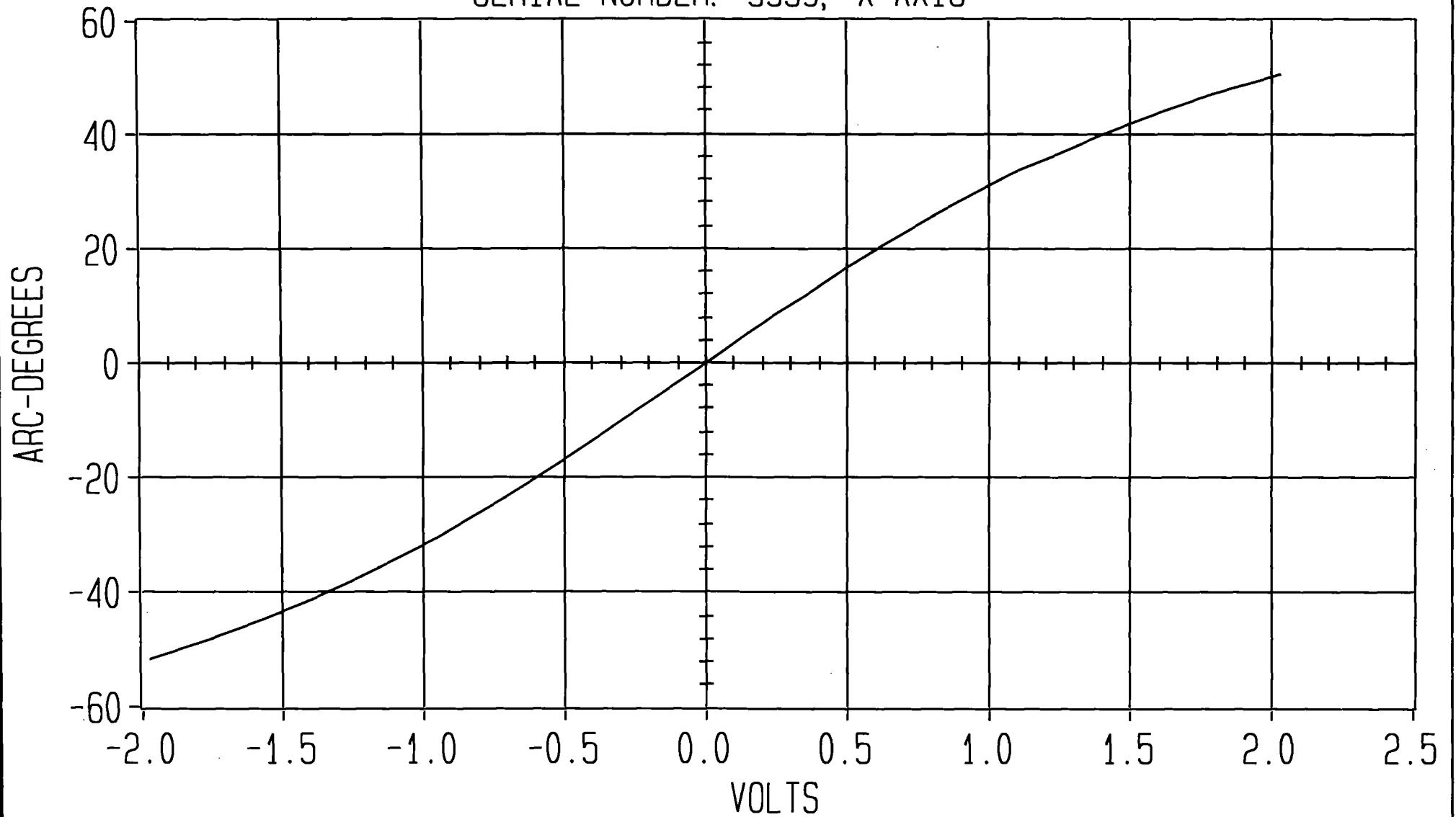
Calibration curves fit a polynomial of form:

Theta = a + bV + cV**2 + dV**3 + eV**4 + fV**5 where V = X or Y output

	POLYNOMIAL FIT COEFFICIENTS					
	a	b	c	d	e	f
X-AXIS	0.0000	34.2659	-0.3835	-3.1004	0.0331	0.2269
Y-AXIS	0.0000	34.0622	-0.1296	-3.0243	0.0281	0.2172

CALIBRATION CURVE

SERIAL NUMBER: 3359, X-AXIS



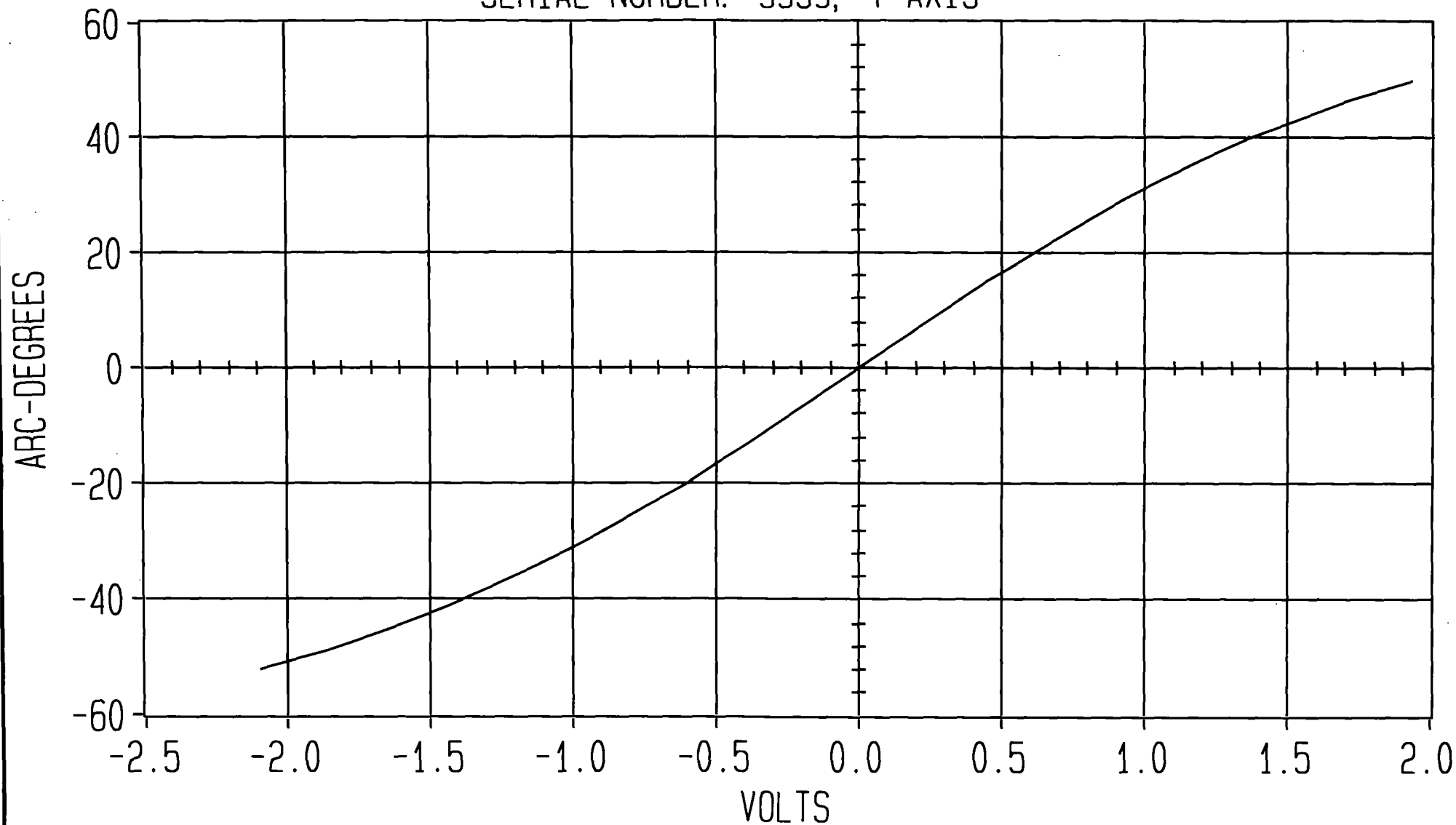
Series 900

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CALIBRATION CURVE

SERIAL NUMBER: 3359, Y-AXIS



Series 900

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