

# First 26

----- 3.0 knots True Wind Speed -----

	36.0	4.5	26.6	1.664	1.346	.7	4.23	1.00	1.00
	44.0	4.7	30.8	2.056	1.479	.8	3.15	1.00	1.00
OPT Tack	<b>46.4</b>	<b>4.8</b>	<b>31.9</b>	<b>2.154</b>	<b>1.486</b>	<b>.9</b>	<b>2.93</b>	<b>1.00</b>	<b>1.00</b>
	52.0	4.8	34.5	2.354	1.449	.9	2.54	1.00	1.00
	60.0	4.8	38.0	2.568	1.284	.9	2.15	1.00	1.00
	70.0	4.7	42.7	2.727	.933	.9	1.80	1.00	1.00
	80.0	4.5	47.7	2.784	.483	.8	1.53	1.00	1.00
	84.3								
				^ Genoa /	Spinnaker v				
	90.0	4.2	52.6	2.855	0.000	.8	1.25	1.00	1.00
	105.0	3.5	62.0	2.753	-.713	.5	.93	1.00	1.00
	120.0	2.8	75.2	2.478	-1.239	.3	.63	1.00	1.00
	135.0	2.1	95.0	2.100	-1.485	.1	.35	1.00	1.00
OPT Gybe	<b>142.5</b>	<b>1.9</b>	<b>107.8</b>	<b>1.909</b>	<b>-1.514</b>	<b>.1</b>	<b>.23</b>	<b>1.00</b>	<b>1.00</b>
	150.0	1.8	122.4	1.716	-1.486	0.0	.16	1.00	1.00
	165.0	1.6	151.6	1.477	-1.427	0.0	.09	1.00	1.00
	180.0	1.7	180.0	1.357	-1.357	0.0	.04	1.00	1.00

----- Handicaps: ----- (seconds/mile) -----

Optimum Tack:	2422.4	Gybe:	2377.4	60deg:	1401.9	~100:	1291.8	135:	1713.9
Linear-random:	1688.9	Circ:	1792.3	Olymp:	2229.1	W/L:	2399.9	AC92:	2166.1
BELL Versions:	1840.7		:1903.8		:2515.9		:2713.2	GPH:	745.0

----- 4.0 knots True Wind Speed -----

	36.0	5.9	26.7	2.187	1.769	1.3	4.31	1.00	1.00
	44.0	6.2	31.0	2.669	1.920	1.5	3.25	1.00	1.00
Opt Tack	<b>45.3</b>	<b>6.3</b>	<b>31.7</b>	<b>2.735</b>	<b>1.923</b>	<b>1.5</b>	<b>3.13</b>	<b>1.00</b>	<b>1.00</b>
	52.0	6.4	34.9	3.017	1.858	1.6	2.66	1.00	1.00
	60.0	6.3	38.7	3.262	1.631	1.6	2.26	1.00	1.00
	70.0	6.1	43.6	3.441	1.177	1.5	1.90	1.00	1.00
	80.0	5.8	49.0	3.505	.609	1.3	1.62	1.00	1.00
	80.9								
				^ Genoa /	Spinnaker v				
	90.0	5.4	54.0	3.617	0.000	1.4	1.32	1.00	1.00
	105.0	4.6	63.8	3.481	-.901	.9	.97	1.00	1.00
	120.0	3.7	77.1	3.163	-1.581	.5	.65	1.00	1.00
	135.0	2.9	96.3	2.729	-1.930	.2	.36	1.00	1.00
OPT Gybe	<b>143.5</b>	<b>2.5</b>	<b>110.4</b>	<b>2.469</b>	<b>-1.984</b>	<b>.1</b>	<b>.22</b>	<b>1.00</b>	<b>1.00</b>
	150.0	2.4	122.9	2.261	-1.958	.1	.16	1.00	1.00
	165.0	2.2	151.8	1.955	-1.889	0.0	.10	1.00	1.00
	180.0	2.2	180.0	1.798	-1.798	0.0	.04	1.00	1.00

----- Handicaps: ----- (seconds/mile) -----

Optimum Tack:	1872.2	Gybe:	1814.5	60deg:	1103.6	~100:	1021.0	135:	1319.0
Linear-random:	1311.3	Circ:	1380.4	Olymp:	1717.1	W/L:	1843.4	AC92:	1669.1
BELL Versions:	1409.1		:1454.0		:1900.9		:2046.1	GPH:	745.0



----- 10.0 knots True Wind Speed -----

	36.0	13.7	25.9	4.381	3.545	17.6	5.37	.95	1.00
OPT Tack	42.5	13.9	30.0	5.031	3.708	20.2	4.28	.95	1.00
	44.0	13.9	30.8	5.143	3.700	20.7	4.13	.95	1.00
	52.0	13.8	35.7	5.581	3.436	22.4	3.60	1.00	1.00
	60.0	13.5	41.0	5.846	2.923	20.7	3.15	1.00	1.00
	70.0	13.1	48.0	6.041	2.066	17.3	2.72	1.00	1.00

----- 77.2 ----- ^ Genoa / Spinnaker v -----

	80.0	12.2	54.5	6.178	1.073	19.4	2.25	1.00	1.00
	90.0	11.6	62.2	6.284	0.000	13.7	1.87	1.00	1.00
	105.0	10.4	74.1	6.265	-1.622	5.3	1.32	1.00	1.00
	120.0	8.8	87.6	6.043	-3.021	2.5	.82	1.00	1.00
	135.0	7.3	104.6	5.666	-4.006	1.0	.42	1.00	1.00
	150.0	6.2	127.3	5.045	-4.369	.4	.20	1.00	1.00
OPT Gybe	156.9	6.0	139.2	4.760	-4.379	.3	.16	1.00	1.00
	165.0	5.9	153.5	4.503	-4.350	.2	.12	1.00	1.00
	180.0	5.9	180.0	4.184	-4.184	.1	.05	1.00	1.00

----- Handicaps: ----- (seconds/mile) -----  
 Optimum Tack: 970.9 Gybe: 822.2 60deg: 615.8 ~100: 574.0 135: 635.4  
 Linear-random: 679.9 Circ: 698.0 Olymp: 855.8 W/L: 896.5 AC92: 827.7  
 BELL Versions: 705.3 : 719.6 : 906.5 : 940.5 GPH: 745.0

----- 12.0 knots True Wind Speed -----

	36.0	15.7	25.2	4.630	3.746	21.6	5.25	.78	1.00
OPT Tack	41.3	15.9	28.7	5.151	3.871	23.3	4.33	.78	1.00
	44.0	15.9	30.4	5.343	3.844	23.9	4.06	.79	1.00
	52.0	15.6	35.6	5.739	3.533	25.5	3.58	.83	1.00
	60.0	15.1	41.0	6.000	3.000	26.3	3.32	.92	.99
	70.0	14.4	48.2	6.239	2.134	26.8	3.05	1.00	1.00
	80.0	13.9	56.4	6.417	1.114	21.5	2.63	1.00	1.00

----- 85.4 ----- ^ Genoa / Spinnaker v -----

	90.0	12.9	64.2	6.561	0.000	21.6	2.07	1.00	1.00
	105.0	12.0	77.3	6.652	-1.722	10.4	1.48	1.00	1.00
	120.0	10.5	91.3	6.488	-3.244	3.4	.92	1.00	1.00
	135.0	8.9	108.2	6.163	-4.358	1.4	.46	1.00	1.00
	150.0	7.7	129.3	5.685	-4.923	.6	.23	1.00	1.00
OPT Gybe	164.2	7.2	152.6	5.282	-5.082	.3	.14	1.00	1.00
	165.0	7.1	154.0	5.261	-5.082	.3	.13	1.00	1.00
	180.0	7.2	179.9	4.930	-4.930	.1	.05	1.00	1.00

----- Handicaps: ----- (seconds/mile) -----  
 Optimum Tack: 930.0 Gybe: 708.3 60deg: 600.0 ~100: 543.7 135: 584.1  
 Linear-random: 633.5 Circ: 647.3 Olymp: 798.7 W/L: 819.2 AC92: 764.8  
 BELL Versions: 647.1 : 659.4 : 820.9 : 839.3 GPH: 745.0

----- 14.0 knots True Wind Speed -----

	36.0	17.7	24.7	4.734	3.830	24.0	5.30	.68	.98
OPT Tack	41.0	17.8	28.4	5.229	3.948	24.7	4.44	.73	.95
	44.0	17.8	30.5	5.441	3.914	25.1	4.15	.77	.94
	52.0	17.4	36.0	5.832	3.591	26.2	3.70	.86	.91
	60.0	16.9	41.7	6.094	3.047	27.0	3.43	.96	.90
	70.0	16.0	49.2	6.339	2.168	27.3	3.12	1.00	.93
	80.0	15.1	57.2	6.553	1.138	27.0	2.80	1.00	.97
	90.0	14.5	66.0	6.732	0.000	23.0	2.44	1.00	1.00

----- 91.2 ----- ^ Genoa / Spinnaker v -----

	105.0	13.4	79.7	6.953	-1.799	16.2	1.62	1.00	1.00
	120.0	12.2	94.2	6.872	-3.436	4.7	1.02	1.00	1.00
	135.0	10.5	111.1	6.562	-4.640	1.8	.52	1.00	1.00
	150.0	9.3	131.4	6.143	-5.320	.8	.28	1.00	1.00
	165.0	8.6	155.0	5.803	-5.605	.4	.15	1.00	1.00
OPT Gybe	169.0	8.6	161.7	5.722	-5.617	.3	.13	1.00	1.00
	180.0	8.6	179.9	5.535	-5.535	.1	.06	1.00	1.00

----- Handicaps: ----- (seconds/mile) -----  
 Optimum Tack: 912.0 Gybe: 640.9 60deg: 590.8 ~100: 523.3 135: 548.6  
 Linear-random: 604.6 Circ: 617.7 Olymp: 767.0 W/L: 776.4 AC92: 729.0  
 BELL Versions: 611.9 : 624.3 : 776.3 : 785.9 GPH: 745.0

----- 16.0 knots True Wind Speed -----

	36.0	19.6	24.6	4.769	3.858	24.4	5.53	.70	.91
OPT Tack	41.1	19.7	28.5	5.293	3.990	25.3	4.59	.75	.88
	44.0	19.6	30.6	5.502	3.958	25.7	4.30	.79	.87
	52.0	19.2	36.3	5.897	3.630	26.8	3.83	.89	.84
	60.0	18.6	42.3	6.163	3.081	27.6	3.54	.98	.84
	70.0	17.7	50.1	6.418	2.195	27.8	3.19	1.00	.86
	80.0	16.7	58.4	6.646	1.154	27.7	2.86	1.00	.91
	90.0	15.6	67.1	6.853	0.000	28.0	2.57	1.00	.98

----- 91.2 ----- ^ Genoa / Spinnaker v -----

	105.0	14.6	81.7	7.182	-1.859	22.1	1.72	1.00	1.00
	120.0	13.9	96.4	7.228	-3.614	7.6	1.12	1.00	1.00
	135.0	12.2	113.4	6.917	-4.891	2.3	.59	1.00	1.00
	150.0	11.0	133.2	6.522	-5.648	1.1	.33	1.00	1.00
	165.0	10.3	155.9	6.220	-6.008	.5	.18	1.00	1.00
OPT Gybe	171.3	10.1	165.9	6.111	-6.040	.4	.13	1.00	1.00
	180.0	10.2	179.9	5.982	-5.982	.2	.07	1.00	1.00

----- Handicaps: ----- (seconds/mile) -----  
 Optimum Tack: 902.2 Gybe: 596.1 60deg: 584.2 ~100: 509.0 135: 520.4  
 Linear-random: 584.1 Circ: 598.1 Olymp: 745.9 W/L: 749.1 AC92: 705.4  
 BELL Versions: 588.1 : 601.7 : 750.6 : 754.7 GPH: 745.0

----- 20.0 knots True Wind Speed -----

	36.0	23.3	24.1	4.721	3.820	25.5	6.22	.71	.80
OPT Tack	41.7	23.4	28.9	5.372	4.012	26.5	4.92	.78	.77
	44.0	23.3	30.7	5.546	3.990	26.9	4.66	.81	.76
	52.0	22.8	36.8	5.966	3.673	28.2	4.11	.92	.74
	60.0	22.0	43.1	6.249	3.124	28.9	3.76	1.00	.73
	70.0	21.1	51.5	6.530	2.233	28.7	3.33	1.00	.76
	80.0	19.9	60.3	6.786	1.178	29.0	2.97	1.00	.81

----- 85.7 ----- ^ Genoa / Spinnaker v -----

	90.0	18.8	69.9	7.036	0.000	28.2	2.27	1.00	.82
	105.0	16.9	84.9	7.478	-1.935	29.1	1.80	1.00	.96
	120.0	16.8	99.9	7.854	-3.927	16.0	1.26	1.00	1.00
	135.0	15.7	116.4	7.614	-5.384	3.7	.73	1.00	1.00
	150.0	14.4	135.8	7.196	-6.232	1.8	.45	1.00	1.00
	165.0	13.6	157.3	6.900	-6.664	.9	.26	1.00	1.00
OPT Gybe	172.7	13.5	168.8	6.773	-6.718	.6	.17	1.00	1.00
	180.0	13.5	179.9	6.671	-6.671	.4	.10	1.00	1.00

----- Handicaps: ----- (seconds/mile) -----

Optimum Tack:	897.4	Gybe:	535.9	60deg:	576.1	~100:	491.1	135:	472.8
Linear-random:	554.6	Circ:	572.2	Olymp:	719.7	W/L:	716.6	AC92:	675.8
BELL Versions:	556.0	:	573.4	:	721.6	:	718.9	GPH:	745.0

----- 24.0 knots True Wind Speed -----

	36.0	26.9	23.3	4.522	3.659	26.5	7.33	.73	.72
OPT Tack	42.8	26.9	29.5	5.409	3.971	28.1	5.27	.82	.68
	44.0	26.9	30.5	5.511	3.964	28.3	5.10	.83	.68
	52.0	26.2	36.9	5.976	3.679	29.6	4.41	.94	.66
	60.0	25.4	43.5	6.285	3.143	30.2	3.97	1.00	.66
	70.0	24.3	52.4	6.598	2.257	30.0	3.48	1.00	.69
	80.0	23.0	61.6	6.878	1.194	30.3	3.09	1.00	.73

----- 81.1 ----- ^ Genoa / Spinnaker v -----

	90.0	21.9	71.8	7.181	0.000	29.6	2.35	1.00	.74
	105.0	19.8	87.3	7.698	-1.992	30.4	1.83	1.00	.88
	120.0	19.1	103.0	8.346	-4.173	24.6	1.31	1.00	1.00
	135.0	19.1	118.4	8.340	-5.897	7.6	.84	1.00	1.00
	150.0	17.8	137.3	7.876	-6.821	2.9	.56	1.00	1.00
	165.0	17.0	158.2	7.534	-7.277	1.5	.33	1.00	1.00
OPT Gybe	172.2	16.9	168.6	7.397	-7.329	1.0	.23	1.00	1.00
	180.0	16.9	179.9	7.272	-7.272	.6	.14	1.00	1.00

----- Handicaps: ----- (seconds/mile) -----

Optimum Tack:	906.5	Gybe:	491.2	60deg:	572.8	~100:	478.4	135:	431.6
Linear-random:	531.9	Circ:	554.7	Olymp:	705.8	W/L:	698.8	AC92:	658.5
BELL Versions:	532.7	:	555.4	:	707.2	:	699.7	GPH:	745.0

----- 28.0 knots True Wind Speed -----

	36.0	30.3	21.7	4.156	3.362	27.6	9.26	.73	.66
	44.0	30.3	30.1	5.400	3.884	29.8	5.66	.85	.62
<b>OPT Tack</b>	<b>44.2</b>	<b>30.3</b>	<b>30.3</b>	<b>5.416</b>	<b>3.884</b>	<b>29.9</b>	<b>5.63</b>	<b>.85</b>	<b>.62</b>
	52.0	29.6	36.9	5.940	3.657	30.9	4.73	.95	.60
	60.0	28.7	43.9	6.283	3.141	31.3	4.19	1.00	.60
	70.0	27.4	53.1	6.630	2.268	31.1	3.64	1.00	.63

----- 77.3 ----- ^ Genoa / Spinnaker v -----

	80.0	26.2	63.1	6.945	1.206	30.6	2.81	1.00	.62
	90.0	24.8	73.2	7.287	0.000	30.8	2.42	1.00	.68
	105.0	22.8	89.3	7.875	-2.038	31.4	1.86	1.00	.80
	120.0	20.9	106.0	8.703	-4.351	32.1	1.30	1.00	1.00
	135.0	22.0	120.2	9.041	-6.393	14.9	.91	1.00	1.00
	150.0	21.2	138.3	8.622	-7.467	4.5	.64	1.00	1.00
	165.0	20.4	158.7	8.204	-7.924	2.1	.39	1.00	1.00
<b>OPT Gybe</b>	<b>171.1</b>	<b>20.3</b>	<b>167.3</b>	<b>8.060</b>	<b>-7.963</b>	<b>1.5</b>	<b>.30</b>	<b>1.00</b>	<b>1.00</b>
	180.0	20.3	179.8	7.883	-7.883	.9	.17	1.00	1.00

----- Handicaps: ----- (seconds/mile) -----

Optimum Tack: 926.8 Gybe: 452.1 60deg: 573.0 ~100: 468.8 135: 398.2  
 Linear-random: 513.0 Circ: 542.5 Olymp: 701.1 W/L: 689.4 AC92: 649.2  
 BELL Versions: 513.8 : 543.1 : 702.3 : 689.6 GPH: 745.0

----- 32.0 knots True Wind Speed -----

	36.0	33.4	17.4	3.443	2.785	28.2	14.13	.71	.62
	44.0	33.6	29.5	5.193	3.736	31.2	6.46	.85	.57
<b>OPT Tack</b>	<b>45.9</b>	<b>33.5</b>	<b>31.3</b>	<b>5.403</b>	<b>3.759</b>	<b>31.5</b>	<b>5.98</b>	<b>.88</b>	<b>.56</b>
	52.0	32.9	36.8	5.856	3.605	32.2	5.11	.96	.55
	60.0	31.8	44.0	6.246	3.123	32.5	4.43	1.00	.55
	70.0	30.5	53.5	6.631	2.268	32.4	3.80	1.00	.57

----- 74.2 ----- ^ Genoa / Spinnaker v -----

	80.0	29.2	63.9	6.986	1.213	31.7	2.92	1.00	.57
	90.0	27.8	74.4	7.360	0.000	31.9	2.49	1.00	.62
	105.0	25.6	90.9	8.016	-2.075	32.6	1.88	1.00	.74
	120.0	23.6	107.9	8.942	-4.471	33.8	1.30	1.00	.94
	135.0	24.5	122.5	9.617	-6.801	22.8	.94	1.00	1.00
	150.0	24.4	139.1	9.430	-8.167	9.1	.70	1.00	1.00
	165.0	23.7	159.0	8.952	-8.647	3.0	.44	1.00	1.00
<b>OPT Gybe</b>	<b>169.4</b>	<b>23.6</b>	<b>165.2</b>	<b>8.819</b>	<b>-8.669</b>	<b>2.3</b>	<b>.36</b>	<b>1.00</b>	<b>1.00</b>
	180.0	23.7	179.8	8.547	-8.547	1.2	.20	1.00	1.00

----- Handicaps: ----- (seconds/mile) -----

Optimum Tack: 957.8 Gybe: 415.3 60deg: 576.3 ~100: 461.7 135: 374.3  
 Linear-random: 497.3 Circ: 534.6 Olymp: 705.2 W/L: 686.5 AC92: 646.9  
 BELL Versions: 497.6 : 535.0 : 705.8 : 686.8 GPH: 745.0

**UPRIGHT MEASUREMENT TRIM**

DISPLACEMENT..	2130.0	WATER DENSITY.	1025.00	FGO.....	.660
LONG. CG.....	2.769	LWL.....	6.379	FF.....	1.005
VERT. CG.....	-.270	MTmm.....	3.063	FA.....	.837
VERT. CB.....	.158	KgPmm.....	9.814	LBG.....	6.400
METACENTER....	-1.212	WETTED SURF...	13.079	HULL SURF AREA	26.073
LONG. CF.....	2.697	RM/DEG.....	34.989	LCG TOT. SURF.	2.910
VERT. CF.....	.001	MAX. DRAFT....	1.780	VCG TOT. SURF.	-.180

**UPRIGHT SAILING TRIM**

DISPLACEMENT..	2370.0	WATER DENSITY.	1025.19	FF.....	1.022
LONG. CG.....	2.661	LWL.....	6.531	FA.....	.784
VERT. CG.....	-.349	MTmm.....	3.378	CREW WT.....	240.000
VERT. CB.....	.140	KgPmm.....	10.332	GEAR WT.....	0.000
METACENTER....	-1.183	WETTED SURF...	13.660	SAILING LEN...	6.500
LONG. CF.....	2.594	RM/DEG.....	35.437	RATED BEAM....	2.380
VERT. CF.....	-.024	MAX. DRAFT....	1.806	EFF. B/Tc.....	5.428
AMAX.....	.636	EFF. DRAFT....	1.773	SUNK LENGTH...	7.369
SA / (DSPL)^2/3	20.016	SA / WS .....	2.562	DSPL/LSM (Eng)	239.835
RATED LENGTH..	6.506	AWP/ (DSPL)^2/3	5.765	100* VOL/LSM^3	.839

**SAILING TRIM WITH HEEL**

HEEL ANGLE	DWL @FF	DWL @FA	RTNG ARM	LONG C.B.	WET SURF.	SAILNG LEN.	EFF. B/Tc
0.0	-.022	.056	-0.000	2.65	13.66	6.500	5.43
2.0	-.022	.055	.030	2.66	13.65	6.500	5.42
5.0	-.023	.032	.145	2.66	13.54	6.507	5.20
10.0	-.036	-.088	.303	2.69	12.93	6.456	4.41
40.0	-.084	-.286	.379	2.72	12.17	6.190	3.91
60.0	-.218	-.562	.367	2.717	10.98		
90.0	-.471	-.839	.117	2.712	9.93		
120.0	-.682	-.917	-.241	2.708	10.54		
150.0	-.800	-.799	-.493	2.697	11.94		
170.0	-.832	-.694	-.399	2.659	15.92		

**NOTES**

1. Long. positions are relative to dig. file origin (+Fwd,-Aft)
2. Vertical positions are relative to DWL (+Below -Abv), except DWL @FF and DWL @FA which locate the DWL relative to the LWL (positive=DWL Below LWL negative=DWL Above LWL)
3. Metacenter ht. is relative to the Center of Flotation, (CF)
4. Dimensions are in currently selected system units

MASTER FILE: 026M00

```

*****
BENETEAU
HOME:
WORK:
CUSTOMER CODE: D
FILE DATE: 15 Oct 1997
BOAT NAME: FIRST26
MODIFIER:
DIG_FILE: 01BA8840
SERVICE CODE: G
DESIGNER: GROUPE FINOT
STOCK MODEL: FIRST26
*****

```

2. SPAR INFO

```

DT      DTT      DL      DLT      TL      HBIS      HBI      SFJ
.095    .095    .14     .14     0       .96       .951    0

DTY     DTTY     DLY     DLTY     TLY     HBIYS
0       0       0       0       0       0

```

3. APPENDAGES INFO

```

TK      HK      CRK      CTK      TRK      TTK      SK      XTEK      CAk      LCBk
1.78    1.45    .63     .67     .105    .122    31     2.38     .66     .433

TR      HR      CRR      CTR      TRR      TTR      SR      XTER      CAr      LCBr
1.02    1.02    .365    .365    .045    .045    10     -.4      .682    .421

VOLK    WSK      CBXK     CBZK     VOLR     WSR      CBXR     CBZR     ECMA     XTEC
.071    1.885   3.189   1.081   .011    .745    -.099   .51     0       0

```

4. PROP INSTALLATION INFO

```

TYPE    PSA     PSL     PSD     SHL     SHD     PHL     PHD     PRD     PIPA
4       0       0       0       0       0       0       0       0       0

```

5. SAIL INFO

```

SPL     SMW     SL      I      J      LP     P      E      BAD     RGF
3.048   5.99   9.88   9.82   3.22   5      8.3    2.7    1.26   1

PY      EY      YRGF    BADY    EB     YSF    YSMG    YSD     ISPIN
0       0       0       0       0     0      0       0       9.82

IGENK   GENKLP  GENKPL  GENKMW  GenkSA  SpinSA  EffWdrd ActWdrd TriWdrd
0       0       0       0       0      27.756 34.995 39.729 27.015

```

6. FLOTATION INFO

```

FGO     LBG     FFS     FAS     FF     FA     RMC     BDk     HEELIM  WATER
.66     6.4    1       .84     1.005 .837   34.9081 2.76   0       1025

DSPL    LCG     VCG     CW      XCW     ZCW     GW      XGW     YGW     ZGW
2 0     2.769  -.27   240    1.7    -1.05  0       0       0       0

```