

I.

COMPUTATIONS FOR
SURVEYOR'S BOOK H
(No 2 of 1933).

1933

pp 1-80 [81-133]

Fred P. Parris

K & E
FIELD BOOK
360 A

COMPUTATIONS

for

FIELD NOTE BOOK # 2.

1933 SURVEY

26.82

2840	CONTINUED FROM Pg 80 Book #1 1433-S				
2990	17.6	+8°35'	17.50	2.64	29.46
2996	17.6	+8°10'	17.54	2.52	29.34
3010	12.6	+2°15'	12.88	.51	27.33
3009	14.2	-1°20'	14.49	.34	26.48
3008	12.0	-13°0'	11.68	2.70	24.12
3007	20.0	-12°45'	19.31	4.37	22.45
3006	23.0	-10°50'	22.48	4.31	22.51
3005	21.4	-3°15'	21.63	1.23	25.69
3003	22.0	-2°5'	22.27	.81	26.01
3015	19.0	-3°30'	19.23	1.18	25.64
3014	20.4	-2°45'	20.65	1.00	25.82
3013	11.0	-3°0'	11.27	.59	26.23

29.11

2840	26.2	-3°50'	26.38	1.77	27.34
774	68.0	+6°22'	67.54	+7.52	36.63
3020	38.0	+4°10'	38.08	+2.79	31.90
776	44.0	-11°53'	42.46	8.92	20.75
3031	7.2	-16°20'	6.91	2.03	27.08
3032	33.0	-18°40'	29.20	9.60	19.51
3028	+6.70				
3026	+4.85				
3025	+7.70				
3024	+10.30				
3023	+9.55				

3500
3508
2576
2998
2336
3862
4496
4326
4454
3846
4120
2254
4276
13508
7616
8482
1382
5840
1340
970
1540
2060
1910

29.11

3018	±10.25	<				
3022	14.2	+1°0'	14.49			
3016 3017	14.0	+2°15'	14.28	+0.56	29.61	
3019	9.2	+2°0'	9.49	.33	29.44	
3021	8.4	+0°30'	8.69			
3027	10.4	-5°0'	10.62	.93		
3029	26.0	+1°25'	26.28	.65	22.53	
Σ 3020					31.90	
Δ 775	38.0	-4°12'	38.08	-2.79	29.11	
3040	12.0	+3°15'	12.26	.70	32.60	
3041	10.4	+4°40'	10.63	.87	32.77	
3037	12.0	-0°15'	12.29			
3038	16.0	+8°10'	15.97	2.30	34.20	
3039	15.0	+8°30'	14.97	2.24	34.14	
3036	19.8	+2°30'	20.06	.88	32.78	
3035	18.0	-1°0'	18.29			
3034	±5.00					
3033	±4.85					
Σ Δ 776					20.25	
Δ 775	43.5	+11°51'	41.96	8.81	29.11	
Δ 3045	11.0	+7°50'	11.08	+1.51	21.76	
Δ 3030	84.4	+2°43'	84.54	3.97	24.25	
3042	7.0	✓	7.30			
3044	8.0	✓	8.30			
3044-b	17.6	✓	17.90			

2050
2898
2856
1898
1738
2124
5256
7616
2952
2126
2458
3194
2994
4012
3658
1000
970
8392
2216
16892
1460
1660
1580

3044-a	16.0	-	16.30			
3043	8.0	-6°50'	8.29	.98	19.27	
3051	81.0	-7°30'	79.92	10.27	9.98	
3049	85.0	-13°0'	80.97	18.80	1.45	
3052	43.0	-11°45'	41.50	8.66	11.59	
3048	46.0	-8°30'	45.29	6.77	13.48	
3047	29.2	-12°35'	28.10	6.27	13.98	
3046	22.0	-21°15'	19.36	7.55	12.70	
At 3030					24.25	
Δ 776	84.2	-2°46'	84.39	4.03	20.25	
3050						
3050-a						
3057	+3.85					
3058	+5.70					
3059	+3.50					
3060	+4.50					
3056	+4.80					
3054	+5.15					
3053	8.0	-18°35'	7.47	2.52	21.73	
3055	6.4	-14°0'	6.31	1.58	22.67	
3071	17.4	-12°35'	16.79	3.76	20.49	
3070	16.4	-11°15'	16.07	3.19	21.06	
3061	14.0	-8°0'	14.02	1.97	22.28	

3,260
1,658
15,984
16,194
8,300
9,058
5,620
3,872
16,892
.770
1.140
.700
.900
.960
1.030
1.594
1.262
3.358
3.214
2.804

Stat 3085

					17.20
Δ 3045	44.2	+5°52'	^{24.24} 43.99	⁵² 4.51	21.76
Δ 3090	36.0	+9°30'	35.29	^{6.48} 5.91	23.64
Δ 3091	74.0	+0°10'	74.29	+0.22	17.42
3087	13.0	+3°0'	13.26	+ .70	17.90
3086	11.0	+9°35'	10.99	+1.86	19.06
3096	34.0	+8°30'	33.55	+5.02	22.22
3095	7.0	-9°5'	7.12	-1.14	16.06
3094	30.0	-0°20'	30.29		
3093	37.0	+1°30'	37.27	.97	18.17
3091	12.0	+9°0'	12.00	1.90	19.10
3092	12.0	+5°0'	12.21	1.11	18.31

Stat 3090

					23.64
Δ 3085	36.0	-10°20'	35.19	¹⁴ 6.40	17.20
Δ 3100					
Δ 3101	43.0	+5°40'	42.89	⁹⁷ +4.25	27.90
Δ 3102	26.3	+8°35'	26.04	4.91	28.55
Δ 3100	33.8	+23°35'	28.62	12.50	36.14
3106	[±] 6.85				
3105	[±] 7.20				
3103	11.0	+6°35'	11.15	1.29	24.93
3104	12.0	+5°45'	12.18	1.22	24.86
3114	9.0	+10°45'	8.98	1.71	25.35
3109	12.6	+9°0'	12.58	1.99	25.63
3107	7.8	+11°20'	7.79	1.56	25.20

8.848
7.058
14.858
2.652
2.198
6.710
1.424
6.058
7.454
2.400

12 pages \$106
for Nov 23

7.038
8.594
5.208
5.724
1.370
1.440
2.230
2.436
1.796
2.516
1.558

			Comp - Hor Dist			
3099	11.0	+8°40'	11.04	1.68	25.32	
3097	+7.92					
3098	+8.35					
3112	9.0	+2°5'	9.29	.34	23.98	
3111	10.6	+4°50'	10.82	.91	24.55	
3110	13.4	+4°0'	13.63	.95	24.59	
3113	18.4	-1°35'	18.68	.52	23.12	
3108	21.0	+26°0'	17.28	8.42	32.06	
3133	+2.25					
3132	+1.80					
3135	+4.35					
3134	+4.65					
3128	+5.40					
3127	+5.90					
3129	+4.20					
3120	+4.85					
3115	+5.25					
3115-a	8.0	-8°0'	8.14	1.14	22.50	
3118	7.6	-1°15'	7.89	1.72	21.92	
3119	9.2	+4°0'	9.45	.66	24.30	
3120	11.0	+4°20'	11.24	.85	24.49	
3121	17.0	+4°30'	17.19	1.35	24.99	
3122	14.4	+2°45'	14.67	.70	24.34	
3123	14.6	-1°45'	14.89	.76	23.18	
3126	17.6	-5°0'	17.76	1.55	22.09	

(86)

1.584
1.670
1.858
2.164
2.726
3.736
3.456
.450
.360
.870
.930
1.080
1.180
.840
.970
1.050
1.628
1.578
1.890
2.248
3.438
2.934
2.978
3.552

3088	22.0	-10°0'	21.63	3.82	19.82	4.326
3125	20.0	'	20.30			4.060
3124	20.2	+2°15'	20.47	.80	24.44	4.094
3124-a	19.0	+0°30'	19.29			3.858
3117	17.0	-2°15'	17.27	.68	22.96	3.454
3116	14.2	+1°30'	14.49	.38	24.02	2.898
3089	12.0	-17°45'	11.16	3.57	20.07	2.232
Π at Δ 3101					27.90	
Δ 3090	43.2	-5°40'	42.97 43.04	4.27 ^b	23.64	8.594
3132-a	6.6	-18°0'	6.25	.23	27.67	1.250
3130-a	17.0	-9°30'	16.83	.82	27.08	3.366
3121	18.0	-11°10'	17.62	3.47	24.43	3.524
3130	17.0	-10°0'	16.78	2.96	24.94	3.356
3129	18.0	-11°45'	17.54	3.65	24.25	3.508
3128	20.5	-12°0'	19.90	4.24	23.66	3.980
3127	21.0	-13°45'	20.09	4.93	22.97	4.018
3132	8.4	-20°0'	7.69	2.79	25.11	1.538
3133	9.8	-25°30'	8.24	3.93	23.97	1.648
3134	19.6	-27°30'	15.63	8.15	19.75	3.126
3141	t4.20					.840
3140	t5.10					1.020
3138	t3.30					.660
3139	t4.60					.920
3135	t2.70					.540
3137	t3.20					.640

3142	+5.35						1.070
3143	+6.50						1.300
3150	8.0	✓	8.30				1.660
3149	8.8	✓	9.10				1.820
3148	15.0	+5°10'	15.18	1.37		29.27	3.036
3145	10.6	+1°10'	10.89	.22		28.12	2.178
3144	10.6	-2°0'	10.89	.38		27.52	2.178
3146	11.0	-3°50'	11.25	.75		27.15	2.250
3147	13.0	+1°40'	13.29	+.39		28.29	2.658
3147-a	16.0	+1°45'	16.29	+.50		28.40	3.258
Not 3102						28.55	
Δ 3090	26.3	-8°35'	26.04	-4.91		23.64	5.208
Δ 3160	41.4	-5°45'	41.29	4.15		24.40	8.258
Δ 3100	28.6	+19°10'	25.83	+8.97		37.52	5.166
3152	8.0	+0°20'	8.29				1.658
3158	8.0	+8°30'	8.12	1.21		29.76	1.624
3159	16.0	+3°15'	16.25	.92		29.47	3.250
3157	20.6	+8°50'	20.41	3.17		31.72	4.082
3156	22.0	+16°0'	20.60	5.92		34.47	4.120
3159-a	15.0	+9°0'	14.93	2.96		31.51	2.986
3155	9.0	+6°0'	9.20	.97		29.52	1.840
3153	+3.35						.670
3151	+2.70						.540

At Δ 21

					67.58
Δ H.B	53.6	-15°46'	49.89	14.09 ¹³	53.44
Δ 20	45.0	+1°49'	45.19	+1.45	69.03
Δ 11	45.7	+0°39'	45.99	.52	68.10
Δ R	27.6	+15°15'	25.99	7.09	74.67

33

9.978
 9.038
 9.198
 5.198

At Δ 21

					67.58
Δ 20	44.8	+1°49'	45.09	1.44 ¹³	69.03
Δ 11	45.7	+0°40'	45.99	.53	68.11
Δ R	27.6	+15°16'	25.99	7.10	74.68
Δ B.H	53.8	-15°46'	50.04	14.18 ¹³	53.45

9.018
 9.198
 5.198
 10.008 USE THIS DISTANCE

Kats 20

					69.03	
Δ BH	59.6	-15°29'	55.69	-15.40	53.63	11.138
Δ 21	44.9	-1°50'	45.19	-1.44	67.585	9.038
Δ R	62.4	-5°10'	62.19	-5.60	63.43	12.938
Δ 11						

48	39.6	-4°30'	39.66	3.07
30	51.2	+8°0'	50.50	7.10
23	29.8	-1°5'	30.19	.58
7	20.2	-15°15'	19.08	5.20

omit

7.932
10.100
6.038
1.040

W.M.T.

11	27.0	-10°55'	26.32	5.08	
56	42.0	-8°35'	41.36	6.24	
55	14.4	-23°30'	12.38	5.39	
Not B,					
Δ A	53.4	+10°57'			
Δ R	18.6	-0°5'			
U-5	41.0	+1°22'			
U ₆	32.2	+1°35'			
O ₁	18.6	+6°10'			
P	^t 13.92				
P ₁	^t 3.68				
P ₃	^t 3.08				
P ₄	16.0	+3°0'			
P ₅	15.0	+3°30'			
L ₁	^t 17.35				
K ₁	^t 13.60				
S ₁	29.4	+2°45'			
L-2	22.7	+8°50'			
Not 28					
					58.92
Δ B, H	35.0	-9°25'	34.30	-5.70 ⁴⁷	53.41
Δ 3200	47.4	-6°20'	47.09	-5.21	53.71
Δ 3201	74.2	-4°15'	74.09	-5.46	53.46
3202	20.3	-15°25'	19.09	-7.22	51.70
64					
65					

5.264
8.272
2.476
2.784
.736
.616
3.470
2.720
6.860
9.418
14.818
3.818

58.92

15

2.179
<u>20.5</u>
12.9
2.8

1778
<u>148</u>
1298
<u>596</u>

20-a	28.0	+9°35'	27.52	4.65	63.57	5.504
21-a	27.0	+9°30'	26.56	4.75	63.37	5.312
57	28.2	+7°45'	27.28	3.81	62.73	5.596
66	27.6	+6°30'	27.54	3.04	61.96	5.508
67	27.6	+5°50'	27.61	2.83	61.75	5.522
68	27.7	+5°25'	27.75	2.63	61.55	5.550
59	25.8	+2°0'	26.09	.91	59.83	3.218
70						
69	26.0	+0°20'	26.22	.15	59.07	5.258
木柱 BH					53.45	
DA	88.8	+2°7'	88.89	+3.29	56.74	17.718
A 28	34.8	+9°26'	34.09	5.68	59.13	6.818
D3200	72.4	+0°25'	72.69	.53	53.98	14.538
D3201	101.7	-0°7'	101.99	.21	53.24	20.398
A 21	53.6	+15°58'	45.79	14.09	67.54	9.158
A 20	59.6	+15°29'	55.69	15.40	68.85	11.138
木柱 BH					53.45	
A 28						
20-a or 21-a						

17.718
6.818
14.538
20.398
9.158
11.138

at B.H

53.45

57	12.0	+17°15'	11.26	3.49	56.94	2.252
66	30.2	+16°51'	27.94	8.48	61.93	5.588
67	30.0	+16°30'	27.85	8.30	61.75	5.570
68	29.4	+16°15'	27.38	8.00	61.45	5.476
69	22.2	+11°18'	21.64	4.32	57.77	4.328
59	25.8	+13°20'	29.82	5.70	59.15	4.964
58	✓	✓				
1	41.0	+11°14'	39.78	7.70	61.15	7.956
5	44.0	+13°22'	41.93	10.00	63.45	8.386
6						
3203	+12.90					2.580
3204	+14.57					2.914
70	+N170					3.340
71						
73						

At 3200					53.98
Δ B, H	72.2	-0°25'	72.49	0.53	53.45
Δ 28	47.0	+6°20'	46.78	5.17	59.15
Δ A'	19.8	+7°57'	19.69	2.75	56.73
Δ 3201	29.4	-0°35'	29.69	0.31	53.67
At 3200					53.98

Δ 3201	✓
2	+15.20
13	+13.20
1	+9.16
3	+9.38
14	+12.70
4	+14.68

At 3200		53.98
Δ 3201		
17	+10.17	
18	+11.02	
19	+13.78	

14.498
9.356
3.938
5.938
3.040
2.620
1.832
1.876
2.540
2.936

2.034
2.204
2.756

Σ at $\Delta 21$

67.58

$\Delta 20$

L.S. 12 10.6 +0°49' 10.89 .16 67.74

2.178

L.S. 13 20.2 +14°57' 19.14 5.10 72.68

3.828

30 26.0 +20°10' 23.20 8.81 76.39

4.640

L.S. 14 +3.25

.650

Σ at 20

69.03

$\Delta 21$

L.S. 12 44.0 -1°40' 44.26 1.28 67.75

8.852

L.S. 13 47.2 47.50

9.500

30

Σ at 3201

53.67

$\Delta 3200$ 29.4 +0°35' 29.69 0.31 53.98

5.938

ΔA 16.6 +10°35' 16.30 3.06 56.73

3.260

ΔC 23.0 +1°30' 23.29 .61 54.28

4.658

3

1

5

8

16

15

53.67

7					
6					
10	^t 2.75				
9	^t 4.08				
12	^t 12.72				
20	^t 10.60				
21	^t 10.70				
22	^t 9.36				
11	^t 11.75				
23	^t 9.58				
24	15.0	-1°29'	15.29	.39	53.28
25	16.4	-3°5'	16.65	.85	52.82
26	19.4	-1°0'	19.69	.34	53.33

tot 3201

(99)

.550
.916
2.544
2.120
2340
1.872
2.350
1.916
3.058
3.330
3.938

Not 1318 40.00
 Δ 161 52.20 + 5° 54' 51.99 5.20 45.20
 Δ 322 70.20 + 1° 30' 70.49 1.37 41.37
 Δ 323-A 61.80 ✓
 Δ 776 75.70 + 1° 20' 75.99 ^{2.08} + 175 + 53 42.08
 Not 776 42.08
 Δ 318 75.70 + 2° 2' 75.89 ^{2.08} + 2.63 + 55 40.00
 Δ 323-A 19.80 + 0° 51' 20.09 .30 42.38
 Δ 323 ✓
 Not 776
 323-A ✓

10.398
 14.098
 15.198
 15.178
 40.18

6	5.88			
15	16.00 + 10'55"	15.73	3.03	
16	17.60 + 9'55"	1.40	3.04	

oms

3.146
280

163
57
1173

169
58
1957

Trata 776.

42.08

33	25.0	+19°45'	22.50	8.11	50.19	4.500
32	23.0	+21°15'	20.50	7.89	49.97	4.100
30	18.4	+15°0'	17.45	4.67	46.75	3.490
31	15.6	+0°5'	15.89	.01	42.09	3.178
28	13.2	+1°37'	13.48	.38	42.46	2.696
29	26.0	+3°25'	26.21	1.57	43.65	5.242

omit

Net A.

Δ B. 53.60 -10° 55' 51.94⁷² 10.00⁹⁵

Δ 3206 28.80 +12° 30' 27.74 6.13

Δ 3205 23.80 +14° 45' 22.54 5.94

Net B.

Δ A. 53.20 +10° 55' 51.59⁷² 9.96⁹⁵

Δ 3205 64.00 +14° 52' 60.09 15.99

Δ 3206 52.00 +18° 45' 46.96 15.39

Net 3206

Δ 3205 ± 15.67

4 ± 3.36

3 ± 4.19

14 ± 5.14

10.344

6.548

4.508

10.344

12.018

9.392

15 t. 3.17

16 t. 2.25

17 t. 3.26

13 t. 6.17

12 t. 7.20

20 t. 3.16

Kat B, H					53.45
7f	28.40	+0° 35'	28.68	.29	53.74
74-a	29.60	+0° 40'	29.88	.35	53.80
3202	43.30	+0° 55'	43.57	.27	43.89
Kat 2388					47.43
Δ2380	49.00	+12° 50'	46.89	10.68 ⁷⁰	
3208	8.00	+8° 30'	8.12	1.22	48.65
3209	21.80	+12° 0'	21.15	4.99	51.92
3210	12.40	+14° 45'	71.88	3.02	50.45
3210-B	13.00	+15° 20'	12.37	3.38	50.81
3211	15.80	+15° 0'	19.96	4.27	51.70
3212	15.80	+13° NT	15.26	3.59	51.02
3213	21.80	+8° 45'	21.59	3.32	50.75
3223	20.00	+8° 30'	19.86	2.97	50.40
3224	20.00	+8° 0'	20.28	+0.70	48.13
3215	22.00	+11° 30'	21.20	4.38	51.81
3219	24.00	+12° 5'	23.24	4.98	52.41
3218	19.80	+14° 20'	28.87	4.82	52.25
3220	22.40	+12° 10'	21.60	4.68	52.11
3221	17.00	+18° 40'	16.34	3.94	51.37
3222	15.60	+11° 30'	15.27	3.10	50.53
3216	27.40	+10° 50'	26.72	5.11	52.54
Kat 2386					52.79
Δ2380	51.00	+6° 0'	50.79	5.25	
Δ3230	32.40	+7° 42'	32.10	4.34	

					5.736
					5.976
					8.714
					9.378
					1.624
					4.230
					2.376
					2.474
					2.992
					3.052
					4.318
					3.972
					4.056
					4.240
					4.648
					5.774
					4.320
					3.268
					3.054
					5.344
					10.158
					6.420

Alt 2386

52.79

3226	16.20	-0° 25'	16.49	.12	52.67	3,298
3227	12.40	-1° 0'	12.69	.22	52.57	2,538
3228	11.80	-1° 10'	12.09	.39	52.40	2,418
3229	18.70	+1° 0'	18.99	.33	53.12	3,798
3231	18.00	+1° 40'	18.28	.53	53.32	3,656
3232	14.40	+0° 35'	14.69	.13	52.92	2,938
3233	6.20	-0° 35'	6.49	.06	52.73	1,298
3234	6.00	+2° 30'	6.29	.27	53.06	1,258
3221-A	19.60	-1° 50'	19.88	.64	52.15	3,976
3235	16.70	-1° 0'	16.99	.30	52.49	3,398
3236	17.20	+0° 50'	17.49	.25	53.04	3,498
3239	18.40	+1° 0'	18.69	.33	53.12	3,738
3237	± 5.10	✓				1,020
3238	± 4.25	✓				950
3245	± 5.40	✓				1,080
3245-A	± 4.82	✓				964
3244	10.00	+5° 30'	10.20	.98	53.77	2,040
3240	12.20	+5° 50'	12.37	1.26	54.05	2,474
3242-A	12.20	+6° 45'	12.33	1.46	54.25	2,466
3242	13.60	+9° 0'	13.56	2.15	54.94	2,712
3241	19.60	+11° 0'	19.18	3.72	56.51	3,836
3243	13.20	+8° 40'	13.20	2.02	54.81	2,640
3250	12.00	+2° 35'	12.27	.56	53.35	2,454
3249	13.00	+0° 20'	13.29	.08	52.87	2,658

158	5.70	✓				
Net 3230					57.13	
Δ 32386	32.20	-7° 45'	31.91	-4.34	52.79	6.382
Δ 3265	35.70	-12° 40'	34.22	7.70	49.43	6.844
Δ 3267	64.00	-18° 20'	57.93	19.21 ¹⁵	37.98	11.586
3253	15.60	-21° 20'	13.88	5.39	51.74	2.776
3263	8.00	-8° 10'	8.13	1.27	55.86	1.626
3262	13.60	-4° 45'	13.80	1.14	55.99	2.760
3264	8.00	✓	8.30			1.660
3264-a	8.20	✓	8.50			1.700
3260	7.00	✓	7.30			1.460
3261	14.20	-2° 20'	14.78	.59	56.54	2.896
3259	8.80	-7° 15'	8.96	1.14	55.99	1.792
3257	2.90	-10° 50'	2.24	.38	56.75	.448
3256	13.70	-11° 15'	13.47	2.68	54.45	2.694
3255	15.00	-17° 15'	13.95	7.35	52.78	2.790
3254	16.60	-15° 10'	14.74	4.28	52.85	2.948
3252	24.00	-13° 0'	23.07	5.32	51.81	4.614
3251	20.00	-9° 50'	19.71	3.41	53.72	3.942
3258	7.40	-7° 5'	7.58	.96	56.17	1.516
Net 3265					49.43	
Δ 3230	35.60	+12° 43'	34.16	7.69		6.832 ✓
Δ 3273	34.40	-23° 18'	22.10	12.85 ¹⁷	36.66	5.820 ✓
Δ 3274	55.80	-7° 04'	55.25	6.82		11.050

49.43

3275	10.00	+5°30'	10.20	.98	50.41
3276	16.60	+10°10'	16.37	2.93	52.36
3268	±1.45	✓			
3269	±6.55	✓			
3270	±8.85	✓			
3271	±4.00	✓			
3272	10.50	-26°30'	8.67	4.31	45.12
Not 3273					36.66
Δ3265	34.00	+23°57'	28.78	12.70 ⁷	49.43
Δ3267	36.80	+2°25'	36.93	1.56	38.22
Δ3277	62.20	+6°25'	61.72	2.92 ⁴² +50	
Δ3274	27.80	+12°30'	26.79	5.93	
Δ223	39.30	-6°25'	39.11	4.39	32.27
Δ3320	37.40	-1°50'	37.66	1.21	35.45
Δ3321	59.70	-0°08'	59.98	.14	✓
3288	19.40	+2°01'	19.68	.69	37.35
3284	18.40	+12°35'	17.81	3.97	40.63
3286	18.20	+11°15'	17.80	3.54	40.20
3285	✓	✓			
3283	14.40	+16°35'	13.51	4.02	40.68
3282	13.00	+14°55'	12.42	3.31	39.97
3278	16.50	+15°25'	15.63	4.26	40.92
3279	15.40	+15°40'	14.56	4.08	40.74
3280	11.00	+15°01'	10.54	2.83	39.49
3281	6.40	+1°30'	6.68	.17	36.83

2.040

3.274

.290

1.310

1.770

.800

1.734

5.756

7.386

12.344

5.358

7.822

7.532

11.996

3.936

3.562

3.560

2.702

2.484

3.126

2.912

2.108

1.336

Elev. Δ Pt. 223

1932-S = 32.64

1933-S = 32.27

COMING FROM
opposite directions

Not 3273

36.66

3313	10.20	+1° 5'	10.49	.20	36.86
3312	11.20	+2° 40'	11.47	.53	37.19
3315	20.50	+1° 15'	20.79	.45	37.11
3314	30.20	+2° 20'	30.45	1.29	37.90
3311	11.70	+0° 40'	11.99	.14	36.80
3311-A	12.00	-3° 45'	12.25	.80	35.86
3310	13.80	-5° 15'	13.98	1.29	35.37
3309	17.00	-8° 25'	16.93	2.51	34.15
3307	10.40	-5° 50'	10.59	1.11	35.55
3308	10.00	-10° 30'	9.96	1.82	34.84
3305	71.00	-6° 15'	11.17	1.22	35.44
3306	10.40	-7° 30'	10.52	1.38	35.28
3303	7.00	-14° 45'	6.83	1.80	34.86
3318	7.20	-9° 30'	7.30	1.22	35.44
3300	±2.60	✓			
3299	±4.00	✓			
3302	±4.05	✓			
3301	±4.85	✓			
3297	±4.65	✓			
3296	±5.50	✓			
3298 3317	±3.80	✓			
3316	±5.15	✓			
3316-A	±6.45	✓			
3304	±4.70	✓			

2.098

2.294

4.158

6.090

2.398

2.450

2.796

3.786

2.118

1.992

2.234

2.104

1.366

1.460

.520

.800

.810

.970

.930

11.00

.760

1.030

1.290

.940

1
 Tot 3273

3295	7.40	-2° 30'	7.29	.35	36.31
3294	11.40	-6° 45'	11.54	1.38	35.28
3293	11.60	-7° 15'	11.71	1.49	35.17
3292	15.60	-6° 0'	15.73	1.65	35.01
3291	13.80	-3° 50'	14.04	.94	35.72
3290	11.80	-1° 10'	12.09	.25	36.41

36.66

Tot 3267

Δ 3273	37.00	-2° 25'	37.29	1.57	
Δ 3230	63.60	+18° 20'	57.60	19.10	
Δ 3274	40.00	+6° 22'	39.80	4.46	
Δ 3277	39.80	+8° 40'	39.19	45.99	44.21
3329	10.40	-7° 50'	10.50	1.44	36.78
3323	10.40	-3° 55'	10.65	.73	37.49
3322	9.60	-3° 0'	8.88	.46	37.76
3325	7.00	-5° 25'	7.24	.68	37.54
3326	16.20	-2° 20'	16.47	.67	37.55
3327	16.20	-2° 20'	16.47	.67	37.55
3328	18.70	-4° 50'	18.87	1.59	36.63
3348	18.60	-1° 35'	18.89	.52	37.70
3349	19.60	+0° 20'	19.89	.11	38.33
3350	23.20	+0° 15'	23.49	.15	38.37
3351	24.00	+3° 45'	24.20	1.58	39.80
3352	30.00	+4° 0'	30.15	2.11	40.33
3345	19.60	+2° 0'	19.88	.69	1

38.22

1.538
2.308
2.342
3.146
2.808
2.418
7.458
11.520
7.960
7.838
2.100
2.130
1.776
1.448
3.294
3.294
3.774
3.778
3.978
4.640
4.840
6.030
3.876

3346	18.40	+1°35'	18.69	0.52	
3347	16.00	+1°35'	16.29	0.16	
Kat 3267					38.22
Δ 3271					
3330	6.20	-1°0'	66.27	1.07	
3331	14.60	-2°10'	14.89	-0.56	37.66
3333	14.20	-1°0'	14.29	0.25	37.99
3332	15.20	+1°10'	15.49	+0.28	38.50
3336-A	26.60	+3°0'	26.82	+1.41	39.63
3342	19.60	+3°30'	19.82	+1.21	39.43
3343	22.20	+4°30'	22.36	+1.76	39.98
3336-B	19.80	+7°0'	19.80	+2.43	40.65
3336	15.00	+7°35'	15.03	+2.00	40.22
3338	19.60	+10°20'	19.26	+3.51	41.73
3339	17.00	+8°25'	16.93	+2.51	40.73
3337	19.60	+8°0'	19.52	+2.74	40.96
3337-A	20.40	+8°45'	20.22	+3.12	41.34
3341	22.00	+8°45'	21.78	+3.35	41.57
3340	19.80	+8°0'	19.72	+2.77	40.99
3331	8.60	+3°0'	8.88	+1.47	38.69
3266	7.80	-9°15'	7.89	+1.28	39.50
Kat Δ 3277					44.21
Δ 3273	62.20	-7°58'	61.30	8.58	mit
Δ 3267	39.80	-8°40'	39.19	5.98	
Δ 3360	38.20	-1°37'	38.48	1.08	43.16

3.738

3.258

1.254

2.978

2.858

3.098

5.364

3.964

4.472

3.960

3.006

3.852

3.386

3.904

4.044

4.356

3.944

1.776

1.578

7.696

					44.21	
3361	8.20	-3°30'	8.47	- .52	41.69	1.694
3362	9.00	-6°15'	9.19	-1.01	43.20	1.838
3363	12.80	-1°0'	13.09	- .23	43.98	2.618
3366	13.40	-5°35'	13.57	-1.32	42.89	2.614
3364	15.20	-1°35'	15.49	- .43	43.78	3.098
3365	16.20	-2°0'	16.48	- .57	43.64	3.296
³³⁶⁷ 3368	10.00	+3°0'	10.27	+ .54		2.054
3369	13.40	+1°40'	13.69	+ .40		2.738
3373	23.80	0°0'	24.09			4.818
3372	22.60	+1°30'	22.89	+ .60	43.61	4.578
3374	24.60	+1°5'	24.89	+ .47		4.978
3371	18.00	+5°0'	18.16	+1.58	42.63	3.602
3370	14.20	+4°0'	14.43	+1.01	43.20	2.886
3384	23.00	-6°35'	23.00	-2.65	41.56	4.60
3383	22.60	-4°10'	22.80	-1.44	42.77	4.560
3382	20.60	-2°0'	20.87	- .73		4.174
3381	21.60	-1°15'	21.89	- .48		4.378
3380	26.40	-1°50'	26.67	- .82		5.334
3379	24.00	-0°30'	24.29	- .21		4.858
3376	18.40	-0°30'	18.69	- .16		3.738
3375	18.00	-1°0'	18.29	- .32		3.658
³³⁷⁷ 3378	22.00	-1°10'	22.29	- .45		4.458
3378-A	28.60	-2°40'	28.84	-1.34	42.87	5.768
3353	26.40	-1°50'	26.67	- .85	43.36	5.334
3354	25.80	-1°30'	26.08	- .68		5.216

					44.21
3355	20.40	-2°20'	20.67	.84	43.37
3356	20.00	-2°45'	20.25	.97	43.24
3357	14.40	-0°10'	14.69		
3358	14.40	-1°30'	14.69	.38	
3359	17.00	-5°0'	17.17	1.50	42.71
3385	12.40	+15°10'	11.83	+3.20	47.41
At 3360					43.16
Δ3277	38.20	+1°35'	38.48	1.03	44.21
Δ3274	21.20	-1°10'	21.49	.74	
Δ3400	35.70	-6°25'	35.55	4.00	
Δ3401	49.00	-12°57'	46.82	10.38	
3397	±2.25	✓			
3398	±3.30	✓			
3396	±2.20	✓			
3395	±2.85	✓			
3394	±3.80	✓			
3402	±3.25	✓			
3399	±4.15	✓			
3403	8.40	-1°15'	8.69	.19	42.97
3404	8.30	-2°10'	8.59	.34	42.82
3405	10.20	-2°10'	10.49	.40	42.76
3406	10.00	-5°0'	10.22	.88	42.28
3407	21.60	-2°50'	21.85	1.04	42.12
3408	22.20	-2°50'	22.45	1.10	42.06
3410	21.60	-1°10'	21.89	.45	42.71

4.134

4.050

2.938

2.938

2.424

2.366

7.696

4.298

7.110

9.364

.450

.660

.440

.570

.760

.650

.830

1.738

1.718

2.098

2.044

4.370

4.490

4.378

					35.45
3436	17.60	-6°10'	17.69	-1.91	33.54
3437	21.60	-8°0'	21.58	-3.02	32.43
3438	19.00	-5°50'	19.10	1.96	33.49
3439	18.00	-9°15'	17.83	2.90	32.55
3440	18.00	-8°5'	17.94	2.55	32.90
3441	21.80	-6°40'	21.80	2.54	32.91
3442	24.20	-9°15'	23.87	3.88	31.57
3433	14.20	-8°0'	14.22	7.99	33.46
3434	13.20	-10°10'	15.02	2.68	32.77
3432	11.80	-9°15'	11.79	1.92	33.53
3431	10.40	-12°35'	10.19	2.27	33.18
3449	29.00	-8°15'	28.70	4.16	31.29
3443	24.00	-7°30'	23.89	3.15	32.30
3444	21.40	-5°35'	21.49	2.10	33.35
3445	17.60	-6°45'	17.65	2.08	33.37
3446	16.40	-8°0'	16.38	2.30	33.15
3447	16.20	-8°30'	16.14	2.42	33.03
3425	13.40	-9°50'	13.30	2.30	33.15
3424	8.60	-11°55'	8.52	1.80	33.65
3426	11.00	+1°45'	11.29	+1.34	35.79
3427	9.40	+3°30'	9.66	+1.59	36.04
3422	6.40	+3°30'	6.67	+1.41	35.86
3423	6.30	-3°30'	6.58	.40	35.05
3419	7.60	-19°0'	7.08	2.43	33.02
3420	±2.15	✓			

3.538
4.316
3.820
3.566
3.588
4.360
4.774
2.844
3.004
2.358
2.038
5.740
4.778
4.298
3.530
3.276
3.228
2.660
1.704
2.258
1.932
1.334
1.316
1.416
1.430

3421	±3.35	✓			
π at 3321					36.50
Δ3273	59.70	+0°10'	59.99	+ .17	36.67
Δ3320	22.00	-2°40'	22.25	1.04	35.46
Δ3401	37.00	-5°50'	36.92	3.78	32.64
Δ3471	47.40	-6°25'	47.10	5.30	31.20
3448-A	±3.90	✓			
3487	±5.00	✓			
3488	±3.90	✓			
3447-A	±2.75	✓			
3430	17.20	-1°30'	17.49	.46	36.04
3429-A	14.00	-4°30'	14.21	1.11	35.39
3429	13.40	-5°0'	13.60	1.19	35.31
3428-A	13.80	-13°30'	13.33	3.20	33.30
3428	12.90	-16°10'	11.72	3.39	33.11
3448	10.00	-20°30'	9.05	3.38	33.12
3482	10.00	-18°45'	9.25	3.13	33.37
3481	9.80	-19°0'	9.00	3.09	33.41
3483	20.20	-12°30'	19.54	4.33	32.17
3484	21.80	-12°50'	21.01	4.77	31.73
3486	20.20	-11°0'	19.75	3.84	32.66
3485	22.60	-11°50'	21.90	4.80	31.70
3476	18.00	-14°30'	17.16	4.44	32.06
3477	17.80	-15°55'	16.74	4.78	31.72
3479	13.00	-26°0'	10.75	5.48	31.02

.670

11.998

9.420

780

1.000

780

550

3.498

2.842

2.720

2.666

2.344

1.810

1.850

1.800

3.908

4.202

3.950

4.380

3.432

3.348

2.150

					36.50
3478	10.30	-23°0'	8.90	3.78	32.72
3480	9.60	-20°0'	8.74	3.18	33.32
3475	24.30	-12°35'	23.44	5.24	31.26
3474	23.60	-13°30'?	22.59	5.44	31.06
3472	20.80	-16°0'	19.50	5.58	30.92
3473	19.60	-17°30'	18.10	5.70	30.80
3462	22.40	-15°35'	21.06	5.88	30.62
3461	23.60	-14°20'	22.44	5.73	30.77
3460	26.20	-13°0'	25.16	5.81	30.69
3459	28.30	-13°40'	27.01	6.55	29.95
3463	19.20	-16°10'	17.95	5.21	31.29
3464	18.00	-15°45'	16.96	4.78	31.72
3465	14.80	-20°0'	13.27	4.85	31.65
3466	14.20	-21°5'	12.60	4.86	31.64
3458	28.20	-11°15'	27.41	5.45	31.05
3457	26.20	-11°12'	25.50	5.05	31.45
3456	23.00	-12°25'	22.22	4.80	31.70
3455	25.00	-10°15'	24.50	4.44	32.06
3454	28.00	-9°50'	27.47	4.76	31.74
3453	29.80	-11°0'	29.01	5.64	30.86
not 3471					31.12
Δ3321	47.40	+6°30'	47.09	+5.38	36.50
Δ3401	50.00	+1°44'	50.29	+1.52	32.64
Δ3500	46.00	-2°2'	46.29	-1.64	29.48
Δ250	30.80	+3°10'	31.01	+1.71	32.83

1.780
1.748
4.688
4.518
3.900
3.620
4.212
4.488
5.032
5.402
3.590
3.392
2.654
2.520
5.482
5.100
4.444
4.900
5.494
5.802

ELEVATION OF
 SURVEY POINT 250
 1932-S - 32.83
 1933-S - 32.83

9.416
10.058
9.258
6.200

					31.12	
3495	2000	-4°10'	20.19	1.47	29.65	4.036
3494	2300	-0°10'	23.29	.07	31.05	4.658
3469	2100	-3°15'	21.23	1.21	29.91	4.246
3470	2320	-1°0'	23.49	.41	30.71	4.698
3468	2260	-0°45'	22.89	.30	30.82	4.578
3467	2100	-3°14'	21.23	1.21	29.91	4.246
3515	1900	-4°0'	19.21	1.34	29.78	3.842
3514	1940	-1°15'	19.69	.43	30.69	3.938
3512	1960	-1°0'	19.89	.35	30.77	3.978
3513	2080	-4°30'	20.97	1.65	29.47	4.194
3516	960	-8°35'	9.78	1.46	29.66	1.956
3506	1020	-12°5'	10.09	2.15	28.97	2.018
3507	700	-2°0'	7.29	.26	30.86	1.458
3508	660	-0°30'	6.89	.06	31.06	1.578
3511	1000	-3°0'	10.27	.54	30.58	2.054
3498	1600	-9°0'	15.90	2.52	28.60	2.180
3497	1800	-7°30'	17.99	2.37	28.75	3.598
3499	2040	-4°15'	20.59	1.57	29.55	4.118
3501	2200	-5°50'	22.07	2.26	28.86	4.414
3487	2360	-3°0'	23.84	1.25	29.87	4.768
3488	2500	-3°15'	25.22	1.43	29.69	5.044
3486	2700	-3°20'	27.21	1.58	29.54	5.442
3489	2560	-1°0'	25.89	.45	30.67	5.178
3490	2240	-0°50'	22.69	.34	30.78	4.538
3496-A	2100	-3°35'	21.22	1.33	29.79	4.244

31.12

3496	21.00	-4°35'	21.16	1.69	29.43
3491	20.00	-6°20'	20.05	2.23	28.89
3492	23.40	-4°25'	23.56	1.82	29.30
3493	27.80	+0°10'	28.10		
3449	39.00	+0°10'	39.30		
3517	9.60	-14°0'	9.32	2.32	28.80
3502	12.00	-10°30'	11.89	2.21	28.91
3503	8.00	-5°15'	8.23	.76	30.36
3504	8.00	-4°25'	8.25	.64	30.48
3505	11.60	-11°45'	11.41	2.37	28.75
Not 549					
Δ450	36.60	+1°5'	36.89	+.70	31.82
LS#T	28.57	✓			
LS#R	25.29	✓			
Not 3401					32.68
Δ3321	^{37.00} 36.40	+5°55'	36.90	3.82	36.50
Δ3471	50.00	-1°45'	50.27	1.54	31.12
Δ3500	68.20	-2°40'	68.35	3.18	29.50
Δ3360	48.80	+11°57'	48.21	^{+10.32} 7.93 +29	43.16
3520	26.90	+5°45'	26.43	2.66	35.34
3519	22.00	+4°45'	22.15	1.84	34.52
3533	17.20	+5°55'	17.31	1.79	34.47
3518	17.00	-1°45'	17.29	.53	32.15
3521	8.30	-3°50'	8.56	.57	32.11
3526	23.35	✓			

4.232
4010
4712
5620
7860
1864
2378
1646
1650
2282
7378
1714
1058
7380
1054
13670
9642
5246
4430
3462
3458
1712
.670

32.68

3525	t 3.88	0°0'			
3524	t 3.98	0°0'			
3524	t 3.33	✓			
3531	7.00	+2°45'	7.28	.35	33.03
3532	8.20	+4°25'	8.45	.65	33.33
3533	9.50	+2°35'	9.78	.44	33.12
3530	8.20	-2°15'	8.49	.33	32.35
3523	t 6.30	✓			
3522	t 6.15	✓			
Σ 3500					29.50
Δ3401	68.00	+2°40'	68.15	3.18	32.68
Δ3471	46.00	+2°4'	46.24	1.66	31.16
Δ3550	36.20	+9°23'	35.53	5.88	35.36
3536	29.80	-3°20'	30.00	1.75	27.25
3537	31.00	-4°35'	31.10	2.49	27.01
3542	36.00	+8°8'	35.57	5.09	34.59
3553	20.00	+8°10'	19.89	2.85	32.35
3552	22.00	+9°0'	21.75	3.45	32.95
3554	23.00	+7°55'	22.86	3.18	32.68
3555	21.60	+5°9'	21.72	2.02	31.52
3538-A	20.00	+5°12'	20.13	1.83	31.33
3538	16.00	+5°15'	16.16	1.48	30.98
3539	17.00	+0°50'	17.29	.25	29.75
3541	10.40	+10°20'	10.36	1.88	31.38
3540	8.60	+6°30'	8.79	1.00	30.50

.776
.796
.666
1.456
1.690
1.956
1.698
1.260
1.230
13.630
9.248
7.106
6.000
6.220
7.114
3.978
4.350
4.572
4.344
4.026
3.232
3.458
2.072
1.758

35.36

3558	33.80	-3°45'	33.95	2.22	33.14
3573	12.00	0°0'	12.30		
3571	11.80	-1°55'	12.09	.40	34.96
3572	13.00	-3°45'	13.24	1.10	34.26
3561	10.60	-5°0'	10.82	.90	34.46
3562	13.20	-6°35'	13.32	1.54	33.82
3563	14.70	-10°23'	14.51	2.66	32.70
3569	6.60	-13°0'	6.55	1.51	33.85
3570	t 5.60	✓			
3565	5.40	-18°45'	5.12	1.74	33.62
3567	t 2.60	✓			
3566	t 3.10	✓			
3568	t 3.90	✓			
3574	t 4.70	✓			
3578	t 3.75	✓			
3577	t 4.55	✓			
3579	11.60	+5°25'	11.79	+1.12	36.48
3590	15.40	+5°35'	15.55	+1.52	36.88
3589	17.00	+7°20'	17.02	+2.19	37.55
3580	12.40	+4°0'	12.64	+ .88	36.24
3581	15.40	-0°45'	15.69	.20	35.16
3576	8.20	+0°45'	8.49	+ .11	35.47
3575	10.60	-9°35'	10.60	1.78	33.58
3584	16.00	-14°15'	15.31	3.89	31.47
3583	13.60	-13°15'	13.17	3.11	32.25

6.790
2460
2418
2.648
2.164
2.664
2.902
1.310
1.120
1.024
.520
.610
.780
.94
.750
9.10
2.358
3.110
3.404
2.528
3.138
1.698
2.120
3.062
2.634

this should be 1.413

$$\begin{array}{r} 1.653 \\ 1.347 \\ \hline 1.40 \\ 1.347 \\ \hline .053 = 10.6 \end{array}$$

					35.36	
3585	17.00	-11°35'	16.60	3.41	31.95	
3586	13.60	-13°15'	13.17	3.11	32.25	
3564	6.80	-14°10'	6.37	1.67	33.69	
3582-A	19.00	-11°20'	19.56	3.71	31.65	
3582	10.60	-14°50'	10.18	2.71	32.65	
3587	17.40	-0°40'	17.69	.21	35.15	
3588	18.20	+4°15'	18.40	1.36	36.72	
下止3600					38.56	
△3550	47.60	-3°51'	47.68	3.20	35.36	
△3601	40.80	-9°9'	40.06	6.45	32.05	
△697	51.30	-6°45'	50.89	6.06	32.56	
3593	10.40	-4°15'	10.64	.79	37.77	
3592	10.00	-5°45'	10.20	1.03	37.53	
3591	9.20	-10°40'	9.18	1.73	36.83	
3596	5.80	-8°25'	5.97	.87	37.69	
3597	11.00	-13°40'	10.67	2.59	35.97	
3604	12.40	-11°45'	12.17	2.54	36.02	
3603	14.00	-10°45'	13.80	2.23	35.93	
3607	20.00	-11°15'	19.53	3.87	34.69	
3608	21.60	-9°37'	21.29	3.61	34.95	
3606	18.40	-7°45'	18.36	2.50	36.06	
3609	13.00	-8°0'	13.04	1.83	36.73	
3610	14.20	-8°45'	14.16	2.18	36.38	
3599	14.00	-6°45'	14.10	1.67	36.89	
3598	10.00	-1°40'	10.29	.30	38.26	

						3.320
						2.634
						1.274
						3.912
						2.036
						3.538
						3.680
						9.536
						8.012
						10.178
						2.128
						2.040
						1.836
						1.194
						2.134
						2.434
						2.760
						3.906
						4.258
						3.672
						2.608
						2.832
						2.820
						2.058

3602	8.40	0°0'	8.70		38.56
3605	17.60	-8°30'	17.51	2.61	35.95
3595	^t 3.90	✓			
3594	^t 5.90	✓			
Not 3601					32.05
Δ 3550	57.80	+3°18'	57.91	3.36 ⁴	35.36
Δ 3600	41.00	+9°8'	40.26	6.7 7	38.56
Δ 697	27.00	+1°0'	27.29	.48	32.53
Δ 696	30.70	-0°55'	30.99	-.50	31.55
Δ 3640	53.00	-2°0'	53.24	1.87	30.18
3621	10.40	+0°30'	10.69	^t .10	32.15
3616-B	11.20	-0°55'	11.49	.18	31.87
3616-A	11.30	-4°30'	11.52	.98	31.07
3616	10.30	-3°25'	10.56	.63	31.42
3615	10.00	-1°25'	10.29	.25	31.80
3614	5.60	-2°0'	5.89	.21	31.8 9
3613	4.60	-9°20'	4.77	.78	31.27
3611	6.00	-9°0'	6.15	-.97	31.08
3612	7.00	-13°10'	6.92	1.62	30.43
3622	^t 5.35	✓			
3623	^t 5.09	✓			
3618	20.00	-1°0'	20.29	-.29	31.5
3617	21.60	-1°55'	21.88	-.73	31.32
3619	19.80	-1°20'	20.09	-.47	31.58
3620	20.80	-1°40'	21.08	-.21	31.44

1.740

3.502

.790

1.180

11.582

8.052

5.459

6.198

10.648

2.138

2.298

230.4

2.112

2058

1.178

.954

1230

1.384

1.070

1.018

40.58

4.376

4.018

4.216

32.05

3624	12.40	+0°50'	12.70	.18	
3625	12.20	-0°30'	12.50	.11	31.94
3629	15.60	+2°0'	15.88	.55	32.60
3638	16.80	+0°30'	17.10	.15	32.70
3635	17.00	+5°30'	17.14	1.65	33.70
3637	16.20	+2°55'	16.46	.84	32.89
3633	21.20	+4°35'	21.36	1.71	33.80
3634	21.60	+3°40'	21.81	1.39	33.44
3631	21.00	+4°25'	21.17	1.64	33.69
3632	22.00	+2°55'	22.24	1.14	33.19
3630	16.40	+6°0'	16.52	1.74	33.79
3629	15.20	+4°10'	15.42	1.12	33.17
3628	13.60	+4°35'	13.81	1.11	33.16
3627	8.40	+5°20'	8.62	.81	
3626	8.00	+2°0'	8.29	.29	31.76
at 696					<u>31.55</u>
Δ 3601	31.00	+0°55'	31.29	+.50	32.05
Δ 697	44.40	+1°12'	44.68	+.96	32.51
Δ 3640	33.20	-2°20'	33.45	1.36	30.19
Δ 3700	33.20	+0°17'	33.50	+.17	31.40
Δ 691	29.40	-6°9'	29.36	3.16	28.39
3658	11.80	-3°20'	12.06	.70	30.85
3657	12.60	-4°25'	12.82	.99	30.56
3673	15.50	-2°33'	15.77	.70	
3674	14.60	-1°15'	14.89	.32	31.23

2540
2500
3176
3420
3428
3292
4272
4362
4234
4448
3304
3084
2772
1724
1658
6258
8936
6690
6700
5872
2412
2564
3154
2978

					<u>31.55</u>	
3675	17.60	-1°0'	17.89	.31		
3676	18.40	-2°25'	18.67	.79	30.76	
3667	12.00	+0°30'	12.29			
3668	12.20	+0°5'	12.50			
3669	12.60	0°0'	12.90			
3670	13.40	+1°30'	13.69			
3671	16.00	+1°5'	16.29			
3672	16.00	-0°30'	16.30			
3665	7.20	+2°0'	7.48			
3666	6.30	+0°50'	6.59			
3673-B	15.20	-5°0'	15.37	.34	31.21	
3643	21.60	+1°0'	21.89			
3644	21.00	0°0'	21.30			
3641	21.40	+1°0'	21.69			
3642	21.00	+0°28'	21.30			
3649	32.00	+0°45'	32.29			
3648	32.30	+0°50'	32.59			
3647	33.00	+0°50'	33.29			
3645	33.60	-0°25'	33.89			
3652	8.00	-7°55'	8.14	1.11	30.44	
3651	6.60	-6°0'	6.82	.74	30.81	
3653	7.00	-6°5'	7.22	.77		
3654	8.40	-7°55'	8.54	1.29	30.76	
3364	21.00	-8°0'	20.89	2.93	28.62	
3363	20.40	-6°15'	20.45	2.24	29.31	

3.578
3.734
2.459
2.500
2.580
2.738
3.258
3.260
1.496
1.318
3.074
4.378
4.260
4.338
4.260
6.458
6.518
6.658
6.778
1.628
1.374
1.444
1.708
4.278
4.090

3662	23.80	-4°35'	23.95	1.92	29.63	4.790
3661	26.20	-6°25'	26.17	3.04	28.51	5.234
3660	20.00	-5°5'	20.14	1.99	29.76	4.028
3659	16.00	-5°20'	16.16	1.59		3.232
3655	13.60	-6°45'	13.71	1.62		2.742
3656	12.00	-5°40'	12.18	1.21	30.34	2.436
3675-A	t 3.55	✓				.710
3650	t 3.80	✓				.760
At 3700					31.40	
Δ 696	33.20	-0°15'	33.49	³ -.14		6.698
Δ 3701	35.60	-7°19'	35.32	³ -4.54	26.87	7.064
3678	16.20	-2°30'	16.47	.72	30.68	3.294
3677	14.60	+0°40'	14.89			2.978
3674-A	10.00	0°0'	10.30			2.060
3676-A	8.30	-2°45'	8.59	.41	31.	1.718
3680	6.20	-3°0'	6.48	.34		1.296
3681	6.00	-9°45'	6.12	1.05	30.31	1.224
3686	6.60	-6°0'	6.82	.74	30.66	1.364
3687	7.80	-4°25'	8.05	.64		1.610
3688	9.50	-4°30'	9.74	.77		1.948
3689	14.40	-5°10'	14.58	1.32	30.08	2.916
3690	15.60	-7°10'	15.65	1.98	29.42	3.130
3684	8.00	-6°45'	8.19	.97	30.43	1.638
3685	6.40	-3°30'	6.68	.41	31.	1.336
3682	t 5.00	✓				1.000
3679	t 5.85	✓				1.170

					31.40	
3692	17.20	-3°20'	17.44	1.02	30.38	3.488
3691	18.20	-4°35'	18.38	1.48	29.92	3.876
3693	15.00	-3°5'	15.26	1.82		2.052
3710	12.00	-10°20'	11.94	2.00	29.40	2.388
3711	18.00	-8°30'	17.90	2.67	28.73	3.580
3712	20.80	-8°0'	20.69	2.90	29.50	4.138
3713	22.00	-7°45'	21.89	2.98		4.378
3709	17.40	-11°25'	17.01	3.43	27.97	2.402
3708	18.00	-11°30'	17.57	3.57	27.83	3.514
3706	14.00	-9°20'	13.92	2.28	29.12	2.784
3707	14.60	-11°15'	14.33	2.85	28.55	2.866
3705	10.60	-10°10'	10.56	1.98		2.112
3704	11.60	-17°10'	10.86	3.35	28.05	2.172
3696	15.00	-12°50'	14.54	3.32		2.908
3697	13.00	-9°50'	12.91	2.24	29.16	2.582
3695	10.00	-13°25'	9.75	2.33	29.07	1.950
3694	9.10	-16°15'	8.67	2.50		1.734
3699	15.00	-9°10'	14.99	2.41		2.998
3698	15.20	-9°40'	15.06	2.57		3.012
3702	16.40	-8°30'	16.34	2.44		3.268
3703	18.40	-9°50'	18.15	3.15	28.25	3.630
Not 3701					26.87	
Δ3700	35.20	+6°40'	35.02	4.09 ⁺⁴²		7.004
Δ3720	26.60	-5°25'	26.66	2.5 ⁻⁶	24.79	5.332

					26.87	
3716	14.00	+2°15'	14.28	.56	28.02	28.56
3715	21.00	+3°0'	21.24	1.12	27.99	4.248
3714	19.40	+4°35'	19.57	1.56	28.43	3.914
3717	13.00	+4°0'	13.24	.22	27.79	2.648
3718	t 5.65	✓				1.130
3719	t 5.25	✓				1.050
3737	5.80	-3°0'	6.08			1.216
3738	12.40	-1°0'	12.69			2.538
3722	9.80	-5°0'	10.02	.88		2.004
3721	?	?				
Net 3720					24.79	
△ 3721	26.30	+4°35'	26.43	2.77 ⁰⁸	26.87	5.286
△ 3735	52.00	-5°8'	51.88	4.67 ⁷¹	20.08	10.376
3725	21.00	-0°35'	21.29			4.258
3723	24.00	+0°22'	24.29	+14	24.93	4.858
3724	22.00	+0°15'	22.29	+10		4.458
3726	20.00	-6°10'	20.07	2.17	22.62	4.014
3736	8.40	-18°15'	7.85	-2.58	27.21	1.570
3727	6.60	-12°40'	6.17	-1.48	23.31	1.234
3727-A	t 3.50	✓				700
3733	7.00	0°0'	7.30			1.460
3732-A	9.40	-3°0'	9.67			1.934
3731	7.60	0°0'	7.90			1.580
3732	12.00	+4°0'	12.24	+86	25.65	2.448
3730	12.40	+4°10'	12.63	.22		2.526

					24.79
3728	8.00	+3°50'	8.26	+55	25.34
3729	6.40	-3°20'	6.68	.38	24.41
3734	1.90	✓			
Σ at 3735					20.08
Δ 3720	52.00	+5°14'	51.86	4.75	24.83
3737	32.40	-0°50'	32.69	.48	19.60
3738	25.00	+0°10'	25.30		
3742	32.50	+8°20'	32.12	4.66	24.74
3743	27.60	+10°40'	26.95	5.08	25.16
3741	30.00	+10°40'	29.28	5.51	25.59
3740	19.40	+12°40'	18.75	4.20	24.28
3739	11.40	-4°35'	11.63	-.93	19.18
3747	25.60	+3°50'	25.78	1.73	21.81
3746	24.00	+3°45'	24.20	1.59	21.67
3744	21.00	+3°50'	21.20	1.42	21.50
3745	18.30	+1°0'	18.49	.32	20.40
3748	25.40	+1°20'	25.69	.60	20.68
Σ at 2760					35.56
Δ 2741	✓	✓			
Δ 3750	15.2	+13°50'	14.62	+3.59	39.15
3752	2.75	✓	2.75		
3751	5.20	✓	5.20		
3753	16.00	-0°50'	16.28		
Σ at 3750					39.15
Δ 2760	14.2	-13°50'	14.62	-3.59	

1.652
1.336
.360
10.372
6.538
5.060
6.424
5.390
5.856
3.750
2.326
5.156
4.840
4.240
3.698
5.138
2.924

At 3765

C. ± 26.27 ✓

A. 44.60 $+3^{\circ}5'$

88 26.20 $-2^{\circ}8'$

5 13.4 $+12^{\circ}10'$ 13.09 $+2.83$

3 ± 7.90

4 ± 7.10

5.254

2618

1580

1.420

