2.53 .07 mg

1194 3 48.5 +12 54 BS II-III

(18033)

6.30 -014 114 440 2.206 Dsp

110 443

220

663

+16.36

+00181 -0181 ZC

+12 + 8

+00194 -0123

+00194 -0158

+0202

+027 -015

2062 -2218

7.36 089

-1.28

3.8

+12.9

+22.5

-18

7.0

+16.3

8330 8655

8532 8085 -8641

0246

0006

3.800
12.900
27.500
-18.000
7.300
288 329
16.300

0.419
0.300
0.857
27.681
21.952
-220

-0.659
0.750
0.060
-147.678
-41.618
-53

0.625
0.589
-0.512
29.133
0.059

CHECKSUM ERROR

31.800
22.000
14.000
-34.000
6.200
174
5.400

0.419
0.160
0.894
-0.071
4.813

-0.659
0.731
0.178
-158.377
-26.564

0.625
0.663
-0.412
-68.374
-14.108

97

1200 3 48.8 -36 35 B 9

Doing

Stay -26 14.5 52 2569

6.88 -27 162 908 2566 Sq

154 913

308

1221

-0008 +017

-0007

3.8

-36.6

+0.8 ✓

-008

-5

+14.5

5.9

+6

-004 +014.5

98

3.000
-36.600
-5.000
14.500
5.900
151.3
11.218
6.000

HR1204 3 53.0 +62 56 +4.6 b

24479
2255
4730

3 9

+0022 +008 N30 +005 +006 GC

+0006±2.1 +006±1.8 Allen & N30 +015 +008 N30

+010 +007

+14 +7

72p.

B9 [illegible]

+404	-472	+792	+0178	-0157	+0021	+0.2	+3.6	+38
-656	+446	+608	-0289	+0148	-0141	-1.0	+2.8	+1.8
+637	+759	+129	+0280	+0252	+0532	+3.8	+0.6	+4.4

890 456

1204 3 53.0 +62 56

4.96 → 029 125 535 2.808 B5.5V

116 941

282

1173

+01

V_0 4.95

0

4.95

$n_V = 0.0$

+0166 +0065 W50

+0113 +4.6 6

+009 +006 FRY+Low

cpl

	1204.000*
	3.000*
	53.000*
	62.000*
	56.000*
	0.009*
	0.006*
	4.950*
108.64	97.724
	4.600
	0.004
	0.784
+4	3.973
	-0.015
	0.607
+1	1.304
	0.049
099	0.129
+6	5.365

18485

1:21

1221 3 54.1 +23 01 85.5 IV

24764 5.5 .747

6.06 041 105 1.085 2.806 85.5 IV

117 1.077

V0 ~~6.03~~ 5.8 E=0V 234 5.37 5/2

1.5419 deg 1,311 -7.16 3/7

+25.0 -0.75

Varied -0.8 3.9

-.95 / 16.98 +23

8.95 +3

+00020-0177 7U -014 121 1074 6.14 1.03 -17.5

13 +8 6.75

+00033-0169 +0025 9081 4664 / 0192 +25.0

+00014-0150 +003-017.5 4188 -8845 / 0

100

3.900
23.000
3.000
-17.500
6.750
224
25.000

1224 3 56.44 +38 430 A I

24952

6.2 +10 +3

234 185 1127

(8) 075 172 1173 2.846 L

5.8 -002 146 1127 -0.35

-0002±4.1 000±3.4

20.112 977 45.11 1889.6

-1.96

-002 +000

$\boxed{-005\ -002}$

101

+36 0805

123 4 25K 3 58.0 +36 50 85.5 E

E+03 6.41 019 125 957 2885 A0

131 953

262

V 1.25

-4-

-0015 ±8.0 +015 ±7.3

000 +0010

57.659 1909.7 0.19 1907.2

000 -64

-519 59.55

-0005 +0007

-0007 +0095

57.695

-25 -0096 59.70 1958.95

57.720 -10

59.60

~~40~~

$\boxed{-010 \quad +007}$

-5 -6

201

4.000
36.800
-12.000
7.000
5.850
AVER 147.91
-12.000

0.378
-0.086
0.922
-20.074
-14.030 -14

-0.652
0.682
0.331
52.328
3.768 +4

0.657
0.726
-0.202
-5.840
1.564 +2

102

1237 3 57.7 +17 09 89.5 K

6.32 057 109 1059 2.832 A06

128 1048

256

1304

V_0 6.3

+2

6.05

-0001 -033 Carlsbad

-001 -033

u_v +0.25 -0.15 +0.20

6

2

+00002 -0272 ±6

+325 +32.0

000

6.08

6.05

000 -027

7600

1237.000*

3.000*
57.700*
17.000*
9.000*
0.000*
-0.027*
6.050*
162.181
32.000

-0.029
0.893

23.798

-0.096
0.089

-12.772

-0.079
-0.441

-26.932

6.3.85 5.18 144.54 162.181 190.54
15.24

+23 +24

-15 11

157

-29 -25

1246 3 587 -30 38 +21.0

25871

008 167 1079 2.908

5.42 -132 1.452

0038 000

3 ~~503~~ ~~417~~ 10

5.92 +0.04 (1.52)

25371 3 58.7 -30 38 A0 II +21 45b.

GC4824

+0036 ± 3.5 +011 ±3.2

(12 Hy)

40.864 1902.9 +0640 +014 49.10 1899.8

-170 +0035 +007 -55

.694 +0039 +012 49.65

+051

40.841 +0037 +011 49.32 1939.02

-7 +00375 +0102 22 89.0

837 +0457 49.10 -30.6

(65.5) +0453 +0008 +4.8

40.924 49.1 +8

-7 +3 49.5

40.931 49.13 +21

A1E

(241) 3 58.7 -30 38 AOE

25371

4824

5.52 +0.035 (+05) C

(2)

5.54 .053 247 1049 2.913 1,5,4,34,1

.007 117 1079 2.985

(.59) 1077

238

1715

1069 3 290 +45 53

21770 5.33 +0.42 -0.01 J

4210 +267 +142 +540 OVV SPC

new

-45.3

4.000
-30.600
61.500
8.000
4.950
97.22

1251 4 00.5 +5 51 1440 1466 1.69 88

25490

4862

3.91 +0.03 +0.07 C

004 184 1086 2.500 et al

008 179 1087 2500 015 170 1.092 2.500 2 SPL

151

019 170 1.090 2.895 5G

013 175 1090 2.898

354 173 1088 1441 1465

a = 032 192

a = 047

Bud 51 -0003 W 50

+00019 -0002

+00012 -0006

+0018

+003 -003

4.0 +5.55 +3 -3 3.0 .57

+0.95

2.88

+004-002

-5.7

1043 3 26.2 +49 20

21427

4145

ADS 25163

7m 2.4

+11 ?

1251.000*

4.000*
0.500*
5.000*
51.000*
0.004*
-0.002*
3.000*
38.8 39.811
-5.700

0.003
0.835 33
2

-4.628

-0.020
-0.068 -3

-0.387

0.008
-0.545 -22
6

105

3.411

4.000
5.850
3.000
-3.000
3.000
4074 3987
-5.700

0.378
0.401
0.635
-0.344
-4.770

-0.652
0.755
-0.067
-19.963
-0.413

0.657
0.519
-0.547
1.921
3.194

105

38 v Tau 4 00.5 +05 51 -5.7a

HR 1251

+006 -0026C

3.90 +0.05 A1 V +004 -0021130

000 +001FK3

+003 -001

566 500 102 555 +003 -001 -5.7 0 -0.6 -047

-003 0 002 0 -014 007 -5.7 -2.8 -4.9 30

-3 -5 0

-4 +1 +2

-3.5 -4.6 -2.5 021

-5.6 -1.7 +2.4

-3.2 -4.7 -2.0 035

-5.3 -1.0 +2.7

v Tcm A IV

25490 4 00.5 +05 51 3.9 40 -5.7k

2309

4862 +0003 sk -002 N30

+0003 ±1.1 -001 ±1.2 OC → N30

+6 -6

1284 4 06.2 +13 16 85.5

157

E = +13

3.56 029 104 917 2.845

148 911

296

1207

5.55 V_0

+.5

505

m_r +0.5

4.1 +13.25

4.1

+13.25

+20.5

5.2

-63

+22.5

-9

5.2

+9

d

σ = 3.38

-6.3 Wolff

+00114 ZU -0078

-0064

+00141

+021 +022 -009

+0010 −009 52.2
13.812 827 +0050 −009 2.44 51.0
52 0011 −011 52
760 +00119 −0028 2.97

13.843 906 2.75 1801.5
+022 +08
865 +00025 283
−71 45
794 +00105 −010 3.28
20 +00090 −0085

8

4.1
+13.25
14.5
−10.5
5.20
−6.3

13.813 +0131 2.35 5775
+16 0
819 $\boxed{+014\ -0105}$ 235

13.823 2.20 65.45
+18 −11 162
.841 2.09 57

4.100
13.250
22.500
-9.000
5.200
110
-9.000

4.100
13.250
14.500
-10.500
5.200
110
-6.300

0.358
0.288
0.889
9.611
-4.544

-0.648
0.762
0.014
-81.249
-8.999

λ
λ Per 4 02.8 +50 13 +6.6 δ

HR 1261 4.27 +0.65 B9V

-007 -037 GC

25642 S-1 -007 -037 N30

2336 -0008 -037 N30

4924 -0007±1.6 -036±1.3 BC → N30 -008 -036 FK3

-007 -037

872 489 768 640 -007 -037 +6.1 -028 +4.7 -114

006 024 -003 -014 055 059

02

03

1261 4 02.8 +50 13 RSV

1.5
~~E=00~~ 010 117 114 1.152 1.154 284 1.386 2.295

r 4.30 ~~-0~~05 118 1151

12/9

~~+00011 -0404~~ W50

-00147 -0345 Fx4

4.25
-1.15
5.4

~~1.4~~

-0141

-016 -037

+4.1 f

107

1261.000*

4.000*
2.800*
50.000*
13.000*
-0.016*
-0.037*
5.400*
120.226
6.100

0.025
0.880

8.343

-0.055
0.475

-3.676

-0.181
-0.023

-21.950

107

ADB

1261 4 02.8 +50 13 BSD

25642

4927

4.27 -0.01 -0.02 2

1408
1392

+006 122 1.156 2.782 JG-SLA
+010 116 1.152 2.796 et al.
010 115 1.158 2796
228

+6.16 0

123 R=+019

+~~00011~~ -0404 W350 F.24

1.156 121 2=

1.400 242

1.411 1152

1364

-0345

-1.4

-00147

-0141

-014 -037

0.05

979 3 13.9 +40 18

20283

3914

mw?

-8

1267

2667 4 Ø5.9 +2.2 17

1967

-3.64 -10.57

3.16 0.83

13.5 4 11.8 +9 53 BSB

26793 5.22

5.22-09-34

B+04

v

-033 104 726 2.741

94 733

198

924

+7C

+0003-019 Cct

m = -0.75

v0 = 5.~~05~~

5.90

+0001-018 F154

+0015

+003-020

-033 101 732 2.739 +012

91 735

[illegible]

+0002 ±4.1 −023 ±3.0

+0004 −014

52.100 1908.4 11.15 1907.5

−8 98

52.092 12.13 26

52.048 11.46 1933.2

31 14

079 11.64 1936.3

52.080

+0003 −019

52.059 11.665 11.56 1939.40

22 +13

.081 11.69

+44

50

1315.000*

4.000*
11.800*
9.000*
53.000*
0.003*
-0.020*
~~5.850*~~ 6.15
6.15
162.10 147.911
7.000

-0.027
0.879

+2 2.125

-0.082
-0.047

-13 -12.391

-0.042
109 -0.475

-11 -9.590

1325 4 14.7 +42 01 B8

E+0146 6.22 -031 124 721 2.783 B9V

115 727
230
957

722 283

246 0844

$m_V = -0.15$
$V_0 = 6.18$
6.33

+033 -034 G6 +9.4

+0376 -0314

+036 -033

+0030 ±37 -034 ±31

40.057 1895.3 12.38 1891.3

54.20
43.64
39.84

295
4565
1518

1920.59

26.198

-0.209

0.430

-33.104

0.006

-0.028

0.787

+2b

110

41

4

52

-21.250

-35.650

-33.500

5.000

-.450

12.123

12.200

-100.326

-97.950

14.795

-78.938

-0.641

-219.761

-35.761

3141 4 19.5 +25 31 B9.5 V Osawa

GC 5247

+25 w(4)

χ Tau +020 -022 +0.078 -0.020 GC → 1430 +11 L(3)

+20 C

IDS → Cpm

A 5.3δ -0.04 -0.125 2100 B9.5 V +2

8.43 +0.63 +0.055 2100 G0 V +5.0

E(+03) +21 u

S(u-B) = +0.055 -3 v

-6 w

1830.56	25.3	19.30	3 L
1866.10	25.1	19.16	3 D
1904.48	24.9	19.28	3 P
1914.63	24.1	19.43	5 —
1924.56	25.1	19.44	11 —

46.5

+308	+083	+647 (19.44)	+0264	-0077	+0187	+0.9	+19.9	+21
-637	+758	+140	-0536	-0720	-1256	-5.9	+2.8	-3
+707	+646	-287 (19.34)	+0604	-0613	-0009	0	-5.7	-6

27616 4 18.5 -20 45 5.3 Alm +32.38

2513 4B

5270 +0020 -011 N30

+0019±28 -009±3.1 GC→N30

+0020±28 -007±3.1 4.3

-082 -001 -017

28.061 084 +0019 27.56 07.4 -20.75

27.979 +0015 +37 +27

27.19

28050 +00195 -006 27.41 56.03 -10.5

+18 +18 5.65

068 +00161 0085 27.23 +32.3

+0226

28.079 $\boxed{+025.5 -010.5}$ 28.03 69.60

+18 097 +04 27.97

1367 4 18.5 -20 46 A2V

27616
5270

5.38 -0.02 (-05) G

(2)

8.39 -011 125 1.104 2.854 1,2,3,8,5
122 1166
244
1550

Bul 51

685 2 18.9 + 55 37 A2 I G

14484

2836

+321 -038 753 OWV SPC

new

-15

4.300
-20.750
27.000
-10.500
5.650
135
32.300

0.315
0.741
0.592
0.827
19.243

101

1229.000*

3.000*
56.400*
38.000*
40.000*
-0.005*
-0.002*
6.150*
169.824
-1.900

-0.008
0.914

-3.129

0.009
0.361

0.876

101

-0.022
-0.187

-3.442

+36 0805

1234 2515 3 58.0 +36 50 89.5 (04)

6.41 019 125 957 2885 A0

131 953

262

12 5

+03

V 0625

+4

5915

m, +0.4

Df.0

+36.4

-12

+7

5.85

12

5.4

mm 72, 233 -5

-4, -20, -18, +1, -5, +4 -12:

-8.4

-018 +0185

-017 +015 5m

-0015 ±8.0 +015 ±7.3

000 +0010

57.659 1509.7 0.19 1507.2

000 -64

579 5955

-0005 +~~0001~~

-0005 +0095

57695

+25

57.720

-0096

59.70 1558.95

-10

59.60

~~+0~~

-010 +007

102