

Various Filters and Techniques for:

Serial Data Analysis

Part 2, Panasonic Protocols

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Contents

1	Filters for use with Panasonic's RS-485 Protocols	3
1.1	.BAT files used with Panasonic test files	3
1.1.1	jj.bat	3
1.1.2	jjd.bat	4
1.1.3	jj1.bat	4
1.2	Panasonic Test Configurations	5
1.2.1	PPsamp.1 Test File	6
1.2.2	Obsolete filters	7
1.2.3	BlIt	7
1.2.4	Listing of BlIt.l	8
1.2.5	Delta.bas	9
1.2.6	Listing of Deltas.bas	9
1.2.7	FixPan	10
1.2.8	Listing of FixPan.l	11
1.2.9	JustTime	13
1.2.10	Listing of JustTime.l	15
1.2.11	PanClean	17
1.2.12	Listing of PanClean.l	18
1.2.13	FixPP	19
1.2.14	Listing of FixPP.l	19
1.2.15	PanDump	22
1.2.16	Listing of PanDump.l	23
1.2.17	PanHtoA	25
1.2.18	Listing of PanHtoA.l	25
1.2.19	PanDump	29
1.2.20	Listing of PanInTrp.l	30

List of Figures

1	Panasonic Configuration A, monitor communications between Panasonic units, Always Panasonic RS-485 Protocol.	5
2	Panasonic Configuration B, monitor communications between a TXB and the head end. Always Panasonic RS-485 Protocol.	5
3	Panasonic Configuration C, monitor communications between a TXB and its Spectra host. Always D Protocol.	5

1 Filters for use with Panasonic's RS-485 Protocols

The Panasonic RS-485 camera control protocol is an evolved protocol which has many “hold overs” from older systems. One feature of this is that there are many ways of doing some tasks. E.g. there are at least 4 different ways to set a preset, etc. Additionally the commands are “long” or 18, and sometimes more, ASCII characters in length. Additionally the commands do not have a checksum. There is a provision for there to be commands that have concatenated the “payload data” (7 bytes) up to 10 times, which gives quite long commands. The shortest commands are just ten bytes long. As a result in the processing for Panasonic commands there are provisions for deleting parts of the output, on a line by line basis, to make the commands be easier to view on the screen.

1.1 .BAT files used with Panasonic test files

Note that the intermediate files are routinely deleted. These files could be shortened by “piping” data directly from one filter to the next. However in these .BAT files that is intentionally not done to ease trouble shooting when a step in the processing is being modified.

1.1.1 jj.bat

```

1  cls
2  rem $Header: d:/Binder4/sda2/RCS/JJ.bat,v 1.4 2008-03-05 08:48:48-08 Hamilton Exp Hamilton $
3  rem panclean data/%1.txt %1.panclean
4  panclean %1.txt %1.panclean
5  makesecs %1.panclean %1.makesecs
6  del %1.panclean
7  fixpan %1.makesecs %1.fixpan
8  atohex %1.fixpan %1.atohex
9  del %1.fixpan
10 iddceron %1.atohex %1.ron
11 del %1.atohex
12 iddcce002 %1.ron %1.c02
13 del %1.ron
14 iddcce202 %1.c02 %1.c22
15 del %1.c02
16 iddcce902 %1.c22 %1.c92
17 del %1.c22
18 iddcce903 %1.c92 %1.c93
19 del %1.c92
20 iddcce %1.c93 %1.cd
21 del %1.c93
22 iddcemsc %1.cd %1.cms
23 del %1.cd
24 iddtea02 %1.cms %1.a02
25 del %1.cms
26 iddten02 %1.a02 %1.n02
27 del %1.a02
28 iddte22a %1.n02 %1.a22
29 del %1.n02
30 iddte22n %1.a22 %1.n22
31 del %1.a22
32 iddte229 %1.n22 %1.229
33 del %1.n22
34 iddtep %1.229 %1.ep
35 del %1.229
36 iddte %1.ep %1.dte
37 del %1.ep
38 enbl %1.dte %1.nbl
39 del %1.dte
40 elnit %1.nbl %1.ln
41 del %1.nbl
42 dumpdata %1.ln %1.dumpdata

```

²\$Header: d:/Binder4/sda2/RCS/Pana.inc,v 1.14 2008-06-10 13:25:08-07 Hamilton Exp Hamilton \$

```

43 del      %1.ln
44 ackfix   %1.dumpdata %1.out
45 del      %1.dumpdata
46 ackdump  %1.out      %1.ad
47 del      %1.out
48 4pi      %1.out      %1.4pi
49 del      %1.out
50 elnit    %1.4pi      %1.lnn
51 del      %1.4pi
52 blit     %1.lnn      %1.bl
53 del      %1.lnn
54 call 1   %1.bl

```

1.1.2 jjd.bat

```

1 @echo off
2 rem $Header: d:/Binder4/sda2/RCS/JJd.bat,v 1.3 2008-03-04 09:02:56-08 Hamilton Exp Hamilton $
3 makesecs %1.txt      %1.makesecs
4 fixdprot %1.makesecs %1.fixdprot
5 easyd    %1.fixdprot %1.ez
6 l %1.ez

```

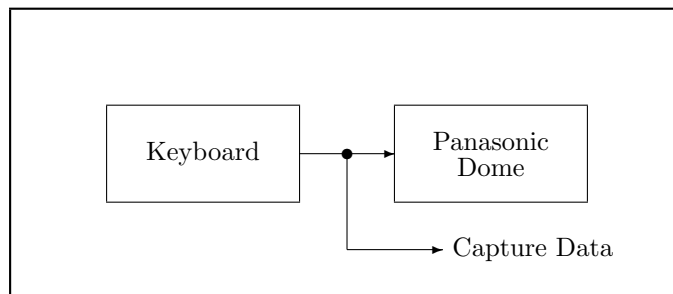
1.1.3 jj1.bat

```

1 @echo off
2 rem $Header: d:/Binder4/sda2/RCS/JJ1.bat,v 1.1 2008-06-10 13:01:25-07 Hamilton Exp Hamilton $
3 cls
4 rem copy      original\08apr21a.txt %1.01
5 makesecs     %1.txt %1.02
6 dte2dce      %1.02 %1.03
7 head -6      %1.03 >%1.04
8 tail -11     %1.03 >%1.05
9 getdce       %1.03 %1.06
10 fixpp        %1.06 %1.07
11 getdte       %1.03 %1.08
12 fixpp        %1.08 %1.09
13 copy         %1.07+%1.09 %1.10
14 qsort        %1.10 %1.11 /29:14
15 copy         %1.11 %1.12
16 rem copy     %1.04+%1.11+%1.05 %1.13
17 panhtoa     %1.12 %1.13
18 panintrap   %1.13 %1.14
19 pandump     %1.14 %1.15
20 l %1.*

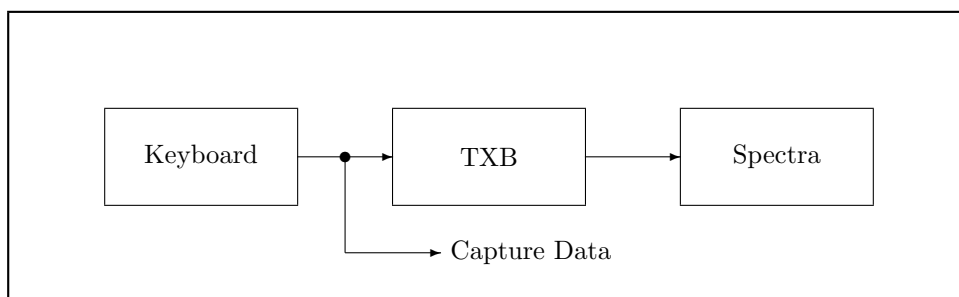
```

1.2 Panasonic Test Configurations



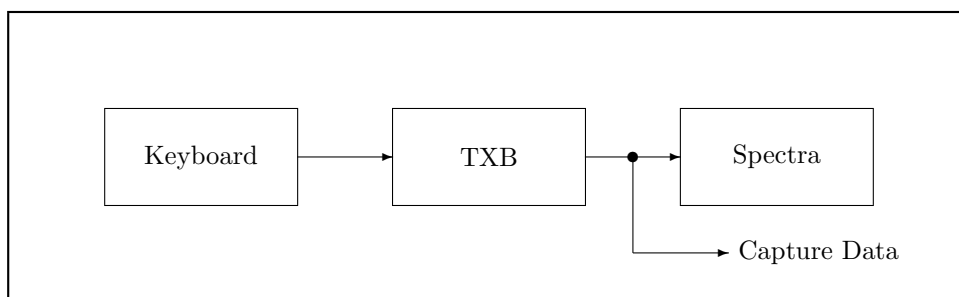
\$RCSfile: CaptCfgs.inc,v \$

Figure 1: Panasonic Configuration A, monitor communications between Panasonic units, Always Panasonic RS-485 Protocol.



\$RCSfile: CaptCfgs.inc,v \$

Figure 2: Panasonic Configuration B, monitor communications between a TXB and the head end. Always Panasonic RS-485 Protocol.



\$RCSfile: CaptCfgs.inc,v \$

Figure 3: Panasonic Configuration C, monitor communications between a TXB and its Spectra host. Always D Protocol.

1.2.1 PPsamp.1 Test File

1 FTS capture buffer (3/1/2007 11:22:19 AM)
 2 Event 1 (3/1/2007 11:05:42.677505 AM) through
 3 Event 113,160 (3/1/2007 11:22:04.620880 AM)
 4

Sd	Event#	Timestamp	Hx
6	DCE	1 3/1/2007 11:05:42.677505 AM	02
7	DCE	2 3/1/2007 11:05:42.678085 AM	41
8	DCE	3 3/1/2007 11:05:42.678663 AM	44
9	DCE	4 3/1/2007 11:05:42.679576 AM	30
10	DCE	5 3/1/2007 11:05:42.680157 AM	31
11	DCE	6 3/1/2007 11:05:42.680737 AM	3b
12	DCE	7 3/1/2007 11:05:42.681317 AM	47
13	DCE	8 3/1/2007 11:05:42.681895 AM	43
14	DCE	9 3/1/2007 11:05:42.682476 AM	37
15	DCE	10 3/1/2007 11:05:42.683053 AM	3a
16	DCE	11 3/1/2007 11:05:42.683631 AM	32
17	DCE	12 3/1/2007 11:05:42.684576 AM	30
18	DCE	13 3/1/2007 11:05:42.685155 AM	32
19	DCE	14 3/1/2007 11:05:42.685735 AM	30
20	DCE	15 3/1/2007 11:05:42.686315 AM	31
21	DCE	16 3/1/2007 11:05:42.686894 AM	35
22	DCE	17 3/1/2007 11:05:42.687617 AM	30
23	DCE	18 3/1/2007 11:05:42.688194 AM	03
24	DTE	19 3/1/2007 11:05:42.715585 AM	06
25	DTE	20 3/1/2007 11:05:42.748603 AM	02
26	DTE	21 3/1/2007 11:05:42.749152 AM	41
27	DTE	22 3/1/2007 11:05:42.749699 AM	44
28	DTE	23 3/1/2007 11:05:42.750249 AM	30
29	DTE	24 3/1/2007 11:05:42.750799 AM	31
30	DTE	25 3/1/2007 11:05:42.751379 AM	3b
31	DTE	26 3/1/2007 11:05:42.751903 AM	47
32	DTE	27 3/1/2007 11:05:42.752450 AM	43
33	DTE	28 3/1/2007 11:05:42.753000 AM	37
34	DTE	29 3/1/2007 11:05:42.753549 AM	3a
35	DTE	30 3/1/2007 11:05:42.754097 AM	32
36	DTE	31 3/1/2007 11:05:42.754647 AM	30
37	DTE	32 3/1/2007 11:05:42.755193 AM	32
38	DTE	33 3/1/2007 11:05:42.755743 AM	31
39	DTE	34 3/1/2007 11:05:42.756165 AM	35
40	DTE	35 3/1/2007 11:05:42.756842 AM	30
41	DTE	36 3/1/2007 11:05:42.757258 AM	30
42	DTE	37 3/1/2007 11:05:42.757938 AM	03
43	DCE	38 3/1/2007 11:05:42.761698 AM	06
44	DCE	39 3/1/2007 11:05:44.462777 AM	02
45	DCE	40 3/1/2007 11:05:44.463563 AM	41
46	DCE	41 3/1/2007 11:05:44.464144 AM	44
47	DCE	42 3/1/2007 11:05:44.464724 AM	30
48	DCE	43 3/1/2007 11:05:44.465373 AM	31
49	DCE	44 3/1/2007 11:05:44.466092 AM	3b
50	DCE	45 3/1/2007 11:05:44.466670 AM	47
51	DCE	46 3/1/2007 11:05:44.467253 AM	43
52	DCE	47 3/1/2007 11:05:44.467836 AM	37
53	DCE	48 3/1/2007 11:05:44.468418 AM	3a
54	DCE	49 3/1/2007 11:05:44.469002 AM	32
55	DCE	50 3/1/2007 11:05:44.469584 AM	30
56	DCE	51 3/1/2007 11:05:44.470191 AM	32
57	DCE	52 3/1/2007 11:05:44.470773 AM	30
58	DCE	53 3/1/2007 11:05:44.471363 AM	30
59	DCE	54 3/1/2007 11:05:44.471969 AM	30
60	DCE	55 3/1/2007 11:05:44.472550 AM	30
61	DCE	56 3/1/2007 11:05:44.473135 AM	03
62	DTE	57 3/1/2007 11:05:44.484363 AM	06
63	DTE	58 3/1/2007 11:05:44.517786 AM	02
64	DTE	59 3/1/2007 11:05:44.518330 AM	41
65	DTE	60 3/1/2007 11:05:44.518901 AM	44
66	DTE	61 3/1/2007 11:05:44.519451 AM	30
67	DTE	62 3/1/2007 11:05:44.519996 AM	31
68	DTE	63 3/1/2007 11:05:44.520547 AM	3b
69	DTE	64 3/1/2007 11:05:44.521094 AM	47
70	DTE	65 3/1/2007 11:05:44.521477 AM	43

71	DTE	66 3/1/2007 11:05:44.522195 AM	37
72	DTE	67 3/1/2007 11:05:44.522742 AM	3a
73	DTE	68 3/1/2007 11:05:44.523291 AM	32
74	DTE	69 3/1/2007 11:05:44.523838 AM	30
75	DTE	70 3/1/2007 11:05:44.524389 AM	32
76	DTE	71 3/1/2007 11:05:44.524940 AM	30
77	DTE	72 3/1/2007 11:05:44.525486 AM	30
78	DTE	73 3/1/2007 11:05:44.526036 AM	30
79	DTE	74 3/1/2007 11:05:44.526583 AM	34
80	DTE	75 3/1/2007 11:05:44.527132 AM	03
81	DCE	76 3/1/2007 11:05:44.530519 AM	06
82	DCE	77 3/1/2007 11:05:44.546189 AM	02
83	DCE	78 3/1/2007 11:05:44.546775 AM	41
84	DCE	79 3/1/2007 11:05:44.547358 AM	44
85	DCE	80 3/1/2007 11:05:44.547940 AM	30
86	DCE	81 3/1/2007 11:05:44.548461 AM	31
87	DCE	82 3/1/2007 11:05:44.549100 AM	3b
88	DCE	83 3/1/2007 11:05:44.549682 AM	47
89	DCE	84 3/1/2007 11:05:44.550297 AM	43
90	DCE	85 3/1/2007 11:05:44.551241 AM	37
91	DCE	86 3/1/2007 11:05:44.551824 AM	3a
92	DCE	87 3/1/2007 11:05:44.552404 AM	32
93	DCE	88 3/1/2007 11:05:44.552982 AM	30
94	DCE	89 3/1/2007 11:05:44.553563 AM	32
95	DCE	90 3/1/2007 11:05:44.554144 AM	30
96	DCE	91 3/1/2007 11:05:44.554726 AM	30
97	DCE	92 3/1/2007 11:05:44.555306 AM	32
98	DCE	93 3/1/2007 11:05:44.556241 AM	30
99	DCE	94 3/1/2007 11:05:44.556821 AM	03
100	DTE	95 3/1/2007 11:05:44.584484 AM	06
101	DTE	96 3/1/2007 11:05:44.617364 AM	02
102	DTE	97 3/1/2007 11:05:44.617927 AM	41
103	DTE	98 3/1/2007 11:05:44.618477 AM	44
104	DTE	99 3/1/2007 11:05:44.619037 AM	30
105	DTE	100 3/1/2007 11:05:44.619586 AM	31
106	DTE	101 3/1/2007 11:05:44.620136 AM	3b
107	DTE	102 3/1/2007 11:05:44.620685 AM	47
108	DTE	103 3/1/2007 11:05:44.621235 AM	43
109	DTE	104 3/1/2007 11:05:44.621614 AM	37
110	DTE	105 3/1/2007 11:05:44.622332 AM	3a
111	DTE	106 3/1/2007 11:05:44.622879 AM	32
112	DTE	107 3/1/2007 11:05:44.623428 AM	30
113	DTE	108 3/1/2007 11:05:44.623978 AM	32
114	DTE	109 3/1/2007 11:05:44.624525 AM	30
115	DTE	110 3/1/2007 11:05:44.625076 AM	32
116	DTE	111 3/1/2007 11:05:44.625622 AM	33
117	DTE	112 3/1/2007 11:05:44.626178 AM	30
118	DTE	113 3/1/2007 11:05:44.626729 AM	03
119	DCE	114 3/1/2007 11:05:44.630349 AM	06
120	DCE	115 3/1/2007 11:05:44.646289 AM	02
121	DCE	116 3/1/2007 11:05:44.646866 AM	41
122	DCE	117 3/1/2007 11:05:44.647448 AM	44
123	DCE	118 3/1/2007 11:05:44.648032 AM	30
124	DCE	119 3/1/2007 11:05:44.648532 AM	31
125	DCE	120 3/1/2007 11:05:44.649194 AM	3b
126	DCE	121 3/1/2007 11:05:44.649774 AM	47
127	DCE	122 3/1/2007 11:05:44.650385 AM	43
128	DCE	123 3/1/2007 11:05:44.651319 AM	37
129	DCE	124 3/1/2007 11:05:44.651924 AM	3a
130	DCE	125 3/1/2007 11:05:44.652482 AM	30
131	DCE	126 3/1/2007 11:05:44.653063 AM	30
132	DCE	127 3/1/2007 11:05:44.653648 AM	32
133	DCE	128 3/1/2007 11:05:44.654230 AM	30
134	DCE	129 3/1/2007 11:05:44.654813 AM	31
135	DCE	130 3/1/2007 11:05:44.655395 AM	30
136	DCE	131 3/1/2007 11:05:44.656322 AM	36
137	DCE	132 3/1/2007 11:05:44.656902 AM	03
138	DTE	133 3/1/2007 11:05:44.668250 AM	06
139	DTE	134 3/1/2007 11:05:44.701413 AM	02
140	DTE	135 3/1/2007 11:05:44.701793 AM	41

1.2.2 Obsolete filters

Several of the Panasonic Protocol filters have become obsolete. These include all of the following:

4PI.L ACKDUMP.L ACKFIX.L ATOHEX.L DUMP53L.L DUMPDATA.L DUMPLEFT.L IDDC902.L IDDC9002.L IDDC902.L IDDC903.L IDDCED.L IDDCMSC.L IDDCERON.L IDDT229.L IDDT22A.L IDDT22N.L IDDTA02.L IDDTER.L IDDTEN02.L IDDTEP.L IDDTE.L MAKECMNDP.L

1.2.3 BLIt

BLIt is used to stick a blank line in front of each “_DCE_” line.

1. This filter is written in Flex.
2. This filter is suitable for use with Panasonic’s RS-485 Protocols only.
3. This filter is sensitive to having DCE (for data coming from the Keyboard) and DTE (for data coming from the Dome) having data coming from the Headend/Keyboard or the Dome/Camera.
4. A typical command line use of this filter is shown in: `jj.bat` (Section 1.1.1, page 3).
5. **Listing of: `hpp.lnn` a typical input file.**

```

1      1: DCE      0.000000  AD01;GC7:2020150: 256 step PT Unit?
2      2: DTE      0.038080  06:          ACK
3      3: DTE      0.071098  AD01;GC7:2021500: 256 step PT Unit, Yes
4      4: DCE      0.084193  06:          ACK
5      5: DCE      1.785272  AD01;GC7:2020000: -----
6      6: DTE      1.806858  06:          ACK
7      7: DTE      1.840281  AD01;GC7:2020004: -----
8      8: DCE      1.853014  06:          ACK
9      9: DCE      1.868684  AD01;GC7:2020020: -----
10     10: DTE      1.906979  06:          ACK
11     11: DTE      1.939859  AD01;GC7:2020230: -----
12     12: DCE      1.952844  06:          ACK
13     13: DCE      1.968784  AD01;GC7:0020106: -----
14     14: DTE      1.990745  06:          ACK
15     15: DTE      2.023908  AD01;GC7:0021062: -----
16     16: DCE      2.036538  06:          ACK
17     17: DCE      2.052220  AD01;GC7:2020130: Random Pan?
18     18: DTE      2.090400  06:          ACK
19     19: DTE      2.124366  AD01;GC7:2021301: Random Pan, Off
20     20: DCE      2.152539  06:          ACK
```

6. **Listing of: `hpp.bl` a typical output file.**

```

1
2      1: DCE      0.000000  AD01;GC7:2020150: 256 step PT Unit?
3      2: DTE      0.038080  06:          ACK
4      3: DTE      0.071098  AD01;GC7:2021500: 256 step PT Unit, Yes
5      4: DCE      0.084193  06:          ACK
6
7      5: DCE      1.785272  AD01;GC7:2020000: -----
8      6: DTE      1.806858  06:          ACK
9      7: DTE      1.840281  AD01;GC7:2020004: -----
10     8: DCE      1.853014  06:          ACK
11
12     9: DCE      1.868684  AD01;GC7:2020020: -----
13     10: DTE      1.906979  06:          ACK
14     11: DTE      1.939859  AD01;GC7:2020230: -----
15     12: DCE      1.952844  06:          ACK
16
17     13: DCE      1.968784  AD01;GC7:0020106: -----
18     14: DTE      1.990745  06:          ACK
19     15: DTE      2.023908  AD01;GC7:0021062: -----
20     16: DCE      2.036538  06:          ACK
```

1.2.4 Listing of BlIt.1

```

1  %{
2  // $Header: d:/Binder4/sda2/RCS/BlIt.1,v 1.2 2007-05-09 13:56:58-07 Hamilton Exp Hamilton $
3  // BLIT is used to stick a blank line in front of each " DCE    " line.
4  #include <stdio.h>
5  #include <stdlib.h>
6  #undef yywrap
7  %}
8  %%
9
10 .*" DCE ".*"AD".*\n          fprintf(yyout,"\n%s",yytext);
11
12 .|\n      ECHO;
13 %%
14 // yywrap is for End Of File processing, 1 = done
15 int yywrap(void)
16 {
17     return 1;
18 }
19
20 main(int argc, char *argv[])
21 {
22     fprintf(stderr,"$Id: BlIt.1,v 1.2 2007-05-09 13:56:58-07 Hamilton Exp Hamilton $\n");
23
24     // Do we have to deal with stdin/stdout?
25     // 3 = one for the program name and one each for input and output names
26     if (argc == 3) {
27         // Nope
28         // Get over the program, etc., name
29         argc--;
30         argv++;
31         yyin = fopen(argv[0],"r");
32         if (yyin == NULL) {
33             fprintf(stderr,"\aCould not open \"%s\" for reading, quitting",
34                 argv[0]);
35             exit(EXIT_FAILURE);
36         }
37
38         // Now get over the input file name and get to the output file name
39         argc--;
40         argv++;
41         yyout = fopen(argv[0],"w");
42         if (yyout == NULL) {
43             fprintf(stderr,"\aCould not open \"%s\" for writing, quitting",
44                 argv[0]);
45             exit(EXIT_FAILURE);
46         }
47     }
48     else {
49         // Woops we are using std... type io
50         yyin = stdin;
51         yyout = stdout;
52     }
53
54     yylex();
55     exit(EXIT_SUCCESS);
56 }
57
58 // $Log: BlIt.1,v $
59 // Revision 1.2  2007-05-09 13:56:58-07  Hamilton
60 // Normal end of day data saving
61 //
62 // Revision 1.1  2007-05-09 09:53:38-07  Hamilton
63 // Initial revision
64 //
65 // Revision 1.10 2007-02-08 06:45:52-08  Hamilton
66 // Normal end of day data saving
67 //
68

```

1.2.5 Delta.bas

DELTS.BAS is used to get Δ times from files that have been processed by JJ.BAT.

1. This filter is written in GW-Basic.
2. This filter is probably suitable for use with any protocol, however it assumes that significant processing has already been performed for working with Panasonic's RS-485 Protocols.
3. This filter requires preprocessing by MAKESECS and the full assortment of routines that are part of JJ.BAT.
4. A typical command line procedure for using this filter is:

None available, this program is used so rarely, no mechanical routine has been written for it.

1.2.6 Listing of Deltas.bas

```

1  10 CLS: REV$ = "$Id: Deltas.bas,v 1.1 2008-04-04 12:17:20-08 Hamilton Exp Hamilton $"
2  20 REM $Header: d:/Binder4/sda2/RCS/Deltas.bas,v 1.1 2008-04-04 12:17:20-08 Hamilton Exp Hamilton $
3  30 PRINT REV$
4  40 PRINT "Fix problems with eXsel being able to subtract"
5  50 FILES
6  60 WHENSTOPPRINT% = 500: LINESTOGO% = WHENSTOPPRINT%
7  70 INPUT "Read from which file (cr = test.dat)";INFILE$
8  80 IF INFILE$ = "" THEN INFILE$ = "test.dat"
9  90 OPEN INFILE$ FOR INPUT AS #1
10 100 INPUT "Write into which file (cr = test.out)";OUTFILE$
11 110 IF OUTFILE$ = "" THEN OUTFILE$ = "test.out"
12 120 OPEN OUTFILE$ FOR OUTPUT AS #2
13 130 OPEN "status.log" FOR APPEND AS #3
14 140 PRINT #3,
15 150 PRINT #3,REV$
16 160 PRINT #3,DATE$,TIME$
17 170 PRINT #3,USING"Reading from &, a file of ##,###,### bytes";INFILE$;LOF(1)
18 180 PRINT #3,"Writing into ";OUTFILE$
19 190 '
20 200 IF EOF(1) THEN 400
21 210 rem PRINT #2,
22 220 FOR I = 1 TO 5
23 230 IF EOF(1) THEN 400
24 240 LINE INPUT #1,A$
25 250 RECORDNUMBER = RECORDNUMBER + 1
26 260 LINESTOGO% = LINESTOGO% - 1
27 270 IF LINESTOGO% <> 0 THEN 310
28 280 LINESTOGO% = WHENSTOPPRINT%
29 290 PRINT USING"##,###,### '&'";RECORDNUMBER,LEFT$(A$,60)
30 300 '
31 310 REM Now do something
32 320 rem PRINT #2,I,A$;" ";
33 330 IF I = 1 THEN START = VAL(A$): rem PRINT #2,START
34 340 IF I = 2 THEN DELTAONE = VAL(A$) - START: PRINT #2,USING"#.###";DELTAONE
35 350 IF I = 3 THEN DELTATWO = VAL(A$) - START: PRINT #2,USING"#.###";DELTATWO
36 360 IF I = 4 THEN DELTATHREE = VAL(A$) - START: PRINT #2,USING"#.###";DELTATHREE
37 370 NEXT I
38 380 GOTO 200
39 390 '
40 400 REM All done
41 410 PRINT #3,"All done"
42 420 PRINT #3,DATE$,TIME$
43 430 PRINT "Found an EOF in the input data, quitting"
44 440 END

```

1.2.7 FixPan

FIXPAN is used stick a blank line after each Panasonic message. captured data. **Probably wrong.**

1. This filter is written in Flex.
2. This filter is suitable for use with Panasonic's RS-485 Protocols only.
3. This filter requires preprocessing by MAKESECS.
4. A typical command line use of this filter is shown in: `jj.bat` (Section 1.1.1, page 3).
5. Listing of: `hpp.makesecs` a typical input file.

```

1 $ Id: MakeSecs.1,v 1.11 2008-02-20 08:06:33-08 Hamilton Exp Hamilton $
2 $Header: d:/Binder4/sda2/RCS/Hpp.makesecs,v 1.2 2008-03-05 10:16:13-08 Hamilton Exp Hamilton $
3 FTS capture buffer (3/1/2007 11:22:19 AM)
4 Event 1 (3/1/2007 11:05:42.677505 AM) through
5 Event 113,160 (3/1/2007 11:22:04.620880 AM)
6
7      1,      1: DCE      1      0.000000  0.000000 02
8      1,      2: DCE      2      0.000580  0.000580 41
9      1,      3: DCE      3      0.001158  0.000578 44
10     1,      4: DCE      4      0.002071  0.000913 30
11     1,      5: DCE      5      0.002652  0.000581 31
12     1,      6: DCE      6      0.003232  0.000580 3b
13     1,      7: DCE      7      0.003812  0.000580 47
14     1,      8: DCE      8      0.004390  0.000578 43
15     1,      9: DCE      9      0.004971  0.000581 37
16     1,     10: DCE     10      0.005548  0.000577 3a
17     1,     11: DCE     11      0.006126  0.000578 32
18     1,     12: DCE     12      0.007071  0.000945 30
19     1,     13: DCE     13      0.007650  0.000579 32
20     1,     14: DCE     14      0.008230  0.000580 30

```

6. Listing of: `hpp.fixpan` a typical output file.

```

1 $ Id: MakeSecs.1,v 1.11 2008-02-20 08:06:33-08 Hamilton Exp Hamilton $
2 $Header: d:/Binder4/sda2/RCS/Hpp.fixpan,v 1.2 2008-03-05 10:16:13-08 Hamilton Exp Hamilton $
3 FTS capture buffer (3/1/2007 11:22:19 AM)
4 Event 1 (3/1/2007 11:05:42.677505 AM) through
5 Event 113,160 (3/1/2007 11:22:04.620880 AM)
6
7      1,      1: DCE      1      0.000000  0.000000 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 31 35 30 03
8
9      1,      1: DTE     19      0.038080  0.000577 06
10     1,      2: DTE     20      0.071098  0.033018 02 41 44 30 31 3b 47 43 37 3a 32 30 32 31 35 30 30 03
11
12     2,     19: DCE     38      0.084193  0.003760 06
13     2,     20: DCE     39      1.785272  1.701079 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 30 30 03
14
15     2,     20: DTE     57      1.806858  0.000585 06
16     2,     21: DTE     58      1.840281  0.033423 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 30 30 34 03
17
18     3,     38: DCE     76      1.853014  0.003387 06
19     3,     39: DCE     77      1.868684  0.015670 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 30 32 30 03
20

```

1.2.8 Listing of FixPan.l

```

1  %{
2  // $Header: d:/Binder4/sda2/RCS/FixPan.l,v 1.8 2007-03-21 08:05:24-08 Hamilton Exp Hamilton $
3  // FixPan is used stick a blank line after each Panasonic message.
4  //      captured data.
5  #include <stdio.h>
6  #include <stdlib.h>
7  #undef yywrap
8  %}
9  %x INMESSAGE
10 %%
11 .{53}"02"      ECHO; BEGIN INMESSAGE;
12 <INMESSAGE>.{53}" 03" fprintf(yyout," %c%c",yytext[54],yytext[55]); BEGIN 0;
13 <INMESSAGE>.{53}" "[0-9a-f]{2} fprintf(yyout," %c%c",yytext[54],yytext[55]);
14
15 <INMESSAGE>.{53}"03" fprintf(yyout," %c%c",yytext[53],yytext[54]); BEGIN 0;
16 <INMESSAGE>.{53}"[0-9a-f]{2} fprintf(yyout," %c%c",yytext[53],yytext[54]);
17 <INMESSAGE>\n    ;
18
19 .|\n    ECHO;
20 %%
21 // yywrap is for End Of File processing, 1 = done
22 int yywrap(void)
23 {
24     return 1;
25 }
26
27 main(int argc, char *argv[])
28 {
29     fprintf(stderr,"$Id: FixPan.l,v 1.8 2007-03-21 08:05:24-08 Hamilton Exp Hamilton $\n");
30
31     // Do we have to deal with stdin/stdout?
32     // 3 = one for the program name and one each for input and output names
33     if (argc == 3) {
34         // Nope
35         // Get over the program, etc., name
36         argc--;
37         argv++;
38         yyin = fopen(argv[0],"r");
39         if (yyin == NULL) {
40             fprintf(stderr,"\aCould not open \"%s\" for reading, quitting",
41                 argv[0]);
42             exit(EXIT_FAILURE);
43         }
44
45         // Now get over the input file name and get to the output file name
46         argc--;
47         argv++;
48         yyout = fopen(argv[0],"w");
49         if (yyout == NULL) {
50             fprintf(stderr,"\aCould not open \"%s\" for writing, quitting",
51                 argv[0]);
52             exit(EXIT_FAILURE);
53         }
54     }
55     else {
56         // Woops we are using std... type io
57         yyin = stdin;
58         yyout = stdout;
59     }
60
61     yylex();
62     exit(EXIT_SUCCESS);
63 }
64
65 // $Log: FixPan.l,v $
66 // Revision 1.8 2007-03-21 08:05:24-08 Hamilton
67 // Normal end of day data saving
68 //

```

```
69 // Revision 1.7 2007-03-21 07:59:23-08 Hamilton
70 // Normal end of day data saving
71 //
72
```

1.2.9 JustTime

JUSTIME is used to extract just the times from data capture files which have been run through `jj.bat` and is the `.BL` output of `jj.bat`.

This routine has been documented in an alternate format which is included here so that it didn't have to be redocumented.

Reading the Panasonic protocol documentation suggests that command/control/etc. data is sent out at specific times between a Panasonic Dome and its attached Keyboard. To verify what this time the following experiment was performed:

1. Collect a large amount of data when the system is otherwise idle. The Panasonic system is a polling system and the keyboard constantly "talks" to the dome(s). (The data capture used was `06FEB07A.TXT` a file of 325,256 lines of data.)
2. Carefully examine the captured data and extract from that a large sample of typical times. In the selected sample, the processed data that was used consisted of lines 8,927 through 34,817 for a total of 25,890 lines of data. Each effective set of data consisted of a start time, three succeeding times and a blank line of data. Giving five lines of data per useful point, or 5,178 sub-data sets. This file is named `part2`.

Sample data:

```
6986: DCE      629.409040    AD01;GC7:2020137: One way commands?
6987: DTE      629.431463    06:                      ACK
6988: DTE      629.464690    AD01;GC7:2021370: One way commands, Available
6989: DCE      629.492689    06:                      ACK
```

3. Take the collected data and extract the times referenced to the start of the data collection time of each event. This resulted in a file (`part2.dat`) of 15,334 lines. The program used for the was `JUSTIME.L`.

Sample data:

```
629.409040
629.431463
629.464690
629.492689
```

4. Calculate the Δ s between each command's acknowledgments and replies. The program used to calculate the Δ s was `DELTAS.BAS` and resulted in a file of 15,534 lines named `part2.out`.

Sample data:

```
0.026
0.051
0.079
0.022
0.056
0.084
0.022
0.056
0.084
0.022
```

5. Sort the file of raw Δ s to get a sorted Δ s file. Named `part2.srt`.

Sample data:

```
0.020
0.021
0.021
0.021
0.021
0.021
0.021
0.021
0.021
0.021
0.021
```

6. Plot the raw Δ s and the sorted Δ s. GNUPLOT was used for this which resulted in two files named `part2r.inc` and `part2s.inc` which are in $\text{\LaTeX}$ format for direct inclusion in a $\text{\LaTeX}$ document. The control files for GNUPLOT were `rpart2.gp` and `spart2.gp`.
7. Get a frequency readout of the sorted Δ s and plot them out. The program EFREQ.L was used and the following set of files were generated, `part2.frq`, `fpart2.gp`, `part2f.inc` sometimes automatically and sometimes by hand.

The full frequency of occurrence file for the Δ s:

```
1      1: 0.020
2      177: 0.021
3      2183: 0.022
4      688: 0.023
5      6: 0.024
6      3: 0.025
7      4: 0.026
8      1: 0.028
9      1: 0.035
10     3: 0.036
11     41: 0.037
12     1815: 0.038
13     227: 0.039
14     23: 0.040
15     2: 0.041
16     1: 0.042
17     2: 0.043
18     1: 0.051
19     1: 0.053
20     82: 0.054
21     1892: 0.055
22     1025: 0.056
23     55: 0.057
24     2: 0.058
25     1: 0.059
26     1: 0.060
27     1: 0.061
28     115: 0.067
29     1278: 0.068
30     1: 0.069
31     5: 0.070
32     518: 0.071
33     1416: 0.072
34     119: 0.073
35     54: 0.074
36     1: 0.075
37     1: 0.076
38     1: 0.077
39     1: 0.078
```

```

40      1: 0.079
41      2: 0.081
42      2: 0.082
43      49: 0.083
44      2454: 0.084
45      70: 0.085
46      1: 0.088
47      4: 0.099
48      1174: 0.100
49      28: 0.101

```

When the above steps were done it was discovered that acknowledgements/replies/etc to commands tend to occur on about $16\frac{2}{3}$ ms boundaries.

End of alternately formatted documentation.

1. This filter is written in Flex.
2. This filter is suitable for use with probably Panasonic's RS-485 Protocols only.
3. This filter requires preprocessing by MAKESECS and the JJ.BAT script.

1.2.10 Listing of JustTime.l

```

1  %{
2  // 6982: DTE 629.313866 06: ACK
3  // 6983: DCE 629.340220 06: ACK
4  // 6984: DTE 629.364974 AD01;GC7:2021360: Pan/Tilt Variable, Available
5  // 6985: DCE 629.392599 06: ACK
6  //
7  // 6986: DCE 629.409040 AD01;GC7:2020137: One way commands?
8  // 6987: DTE 629.431463 06: ACK
9  // 6988: DTE 629.464690 AD01;GC7:2021370: One way commands, Available
10 // 6989: DCE 629.492689 06: ACK
11 //123456789 123456789 123456789 123456789 123456789
12 // $Header: d:/Binder4/sda2/RCS/JustTime.l,v 1.1 2007-05-10 09:19:37-07 Hamilton Exp Hamilton $
13 // JustTime is used to extract just the times from data capture files which
14 // have been run through jj.bat and is the .BL output of jj.bat.
15 #include <stdio.h>
16 #include <stdlib.h>
17 #undef yywrap
18 %}
19 %x TIME DUMPREST
20 %%
21 ^.{14} BEGIN TIME;
22 <TIME>" "([0-9])+."([0-9])+ " " fprintf(yyout,"%s\n",yytext); BEGIN DUMPREST;
23 <DUMPREST>.*\n ; BEGIN 0;
24
25 . ;
26
27 %%
28 // yywrap is for End Of File processing, 1 = done
29 int yywrap(void)
30 {
31     return 1;
32 }
33
34 main(int argc, char *argv[])
35 {
36     fprintf(stderr,"%$Id: JustTime.l,v 1.1 2007-05-10 09:19:37-07 Hamilton Exp Hamilton $\n");
37
38     // Do we have to deal with stdin/stdout?
39     // 3 = one for the program name and one each for input and output names
40     if (argc == 3) {
41         // Nope
42         // Get over the program, etc., name
43         argc--;

```

```

44     argv++;
45     yyin = fopen(argv[0], "r");
46     if (yyin == NULL) {
47         fprintf(stderr, "\aCould not open \"%s\" for reading, quitting",
48             argv[0]);
49         exit(EXIT_FAILURE);
50     }
51
52     // Now get over the input file name and get to the output file name
53     argc--;
54     argv++;
55     yyout = fopen(argv[0], "w");
56     if (yyout == NULL) {
57         fprintf(stderr, "\aCould not open \"%s\" for writing, quitting",
58             argv[0]);
59         exit(EXIT_FAILURE);
60     }
61 }
62 else {
63     // Woops we are using std... type io
64     yyin = stdin;
65     yyout = stdout;
66 }
67
68 yylex();
69 exit(EXIT_SUCCESS);
70 }
71
72 // $Log: JustTime.1,v $
73 // Revision 1.1 2007-05-10 09:19:37-07 Hamilton
74 // Initial revision
75 //
76 // Revision 1.10 2007-02-08 06:45:52-08 Hamilton
77 // Normal end of day data saving
78 //
79

```

1.2.11 PanClean

PANCLEAN is used to get rid of invalid capture records that result from RS-485 fooling around during line seizure, etc.

1. This filter is written in Flex.
2. This filter is suitable for use with Panasonic's RS-485 Protocols only.
3. This filter must be used **before** processing with MAKESECS or MAKESECX.
4. A typical command line use of this filter is shown in: `jj.bat` (Section 1.1.1, page 3).
5. **Listing of: `hpp.txt` a typical input file.**

```

1 FTS capture buffer (3/1/2007 11:22:19 AM)
2 Event 1 (3/1/2007 11:05:42.677505 AM) through
3 Event 113,160 (3/1/2007 11:22:04.620880 AM)
4
5 Sd Event# Timestamp Hx
6 DCE 1 3/1/2007 11:05:42.677505 AM 02
7 DCE 2 3/1/2007 11:05:42.678085 AM 41
8 DCE 3 3/1/2007 11:05:42.678663 AM 44
9 DCE 4 3/1/2007 11:05:42.679576 AM 30
10 DCE 5 3/1/2007 11:05:42.680157 AM 31
11 DCE 6 3/1/2007 11:05:42.680737 AM 3b
12 DCE 7 3/1/2007 11:05:42.681317 AM 47
13 DCE 8 3/1/2007 11:05:42.681895 AM 43
14 DCE 9 3/1/2007 11:05:42.682476 AM 37
15 DCE 10 3/1/2007 11:05:42.683053 AM 3a
16 DCE 11 3/1/2007 11:05:42.683631 AM 32
17 DCE 12 3/1/2007 11:05:42.684576 AM 30
18 DCE 13 3/1/2007 11:05:42.685155 AM 32
19 DCE 14 3/1/2007 11:05:42.685735 AM 30
20 DCE 15 3/1/2007 11:05:42.686315 AM 31

```

6. **Listing of: `hpp.panclean` a typical output file.**

```

1 FTS capture buffer (3/1/2007 11:22:19 AM)
2 Event 1 (3/1/2007 11:05:42.677505 AM) through
3 Event 113,160 (3/1/2007 11:22:04.620880 AM)
4
5 Sd Event# Timestamp Hx
6 DCE 1 3/1/2007 11:05:42.677505 AM 02
7 DCE 2 3/1/2007 11:05:42.678085 AM 41
8 DCE 3 3/1/2007 11:05:42.678663 AM 44
9 DCE 4 3/1/2007 11:05:42.679576 AM 30
10 DCE 5 3/1/2007 11:05:42.680157 AM 31
11 DCE 6 3/1/2007 11:05:42.680737 AM 3b
12 DCE 7 3/1/2007 11:05:42.681317 AM 47
13 DCE 8 3/1/2007 11:05:42.681895 AM 43
14 DCE 9 3/1/2007 11:05:42.682476 AM 37
15 DCE 10 3/1/2007 11:05:42.683053 AM 3a
16 DCE 11 3/1/2007 11:05:42.683631 AM 32
17 DCE 12 3/1/2007 11:05:42.684576 AM 30
18 DCE 13 3/1/2007 11:05:42.685155 AM 32
19 DCE 14 3/1/2007 11:05:42.685735 AM 30
20 DCE 15 3/1/2007 11:05:42.686315 AM 31

```

1.2.12 Listing of PanClean.l

```

1  %{
2  // $Header: d:/Binder4/sda2/RCS/PanClean.l,v 1.4 2007-03-21 07:59:23-08 Hamilton Exp Hamilton $
3  // PanClean is used to get rid of invalid capture records that result
4  //      from RS-485 fooling around during line seizure, etc.
5  #include <stdio.h>
6  #include <stdlib.h>
7  #undef yywrap
8  %}
9  %%
10 .{38}" "?" "\n    ;
11 .{38}" "?"00"\n    ;
12
13 .|\n    ECHO;
14 %%
15 // yywrap is for End Of File processing, 1 = done
16 int yywrap(void)
17 {
18     return 1;
19 }
20
21 main(int argc, char *argv[])
22 {
23     fprintf(stderr,"$Id: PanClean.l,v 1.4 2007-03-21 07:59:23-08 Hamilton Exp Hamilton $\n");
24
25     // Do we have to deal with stdin/stdout?
26     // 3 = one for the program name and one each for input and output names
27     if (argc == 3) {
28         // Nope
29         // Get over the program, etc., name
30         argc--;
31         argv++;
32         yyin = fopen(argv[0],"r");
33         if (yyin == NULL) {
34             fprintf(stderr,"\aCould not open \"%s\" for reading, quitting",
35                     argv[0]);
36             exit(EXIT_FAILURE);
37         }
38
39         // Now get over the input file name and get to the output file name
40         argc--;
41         argv++;
42         yyout = fopen(argv[0],"w");
43         if (yyout == NULL) {
44             fprintf(stderr,"\aCould not open \"%s\" for writing, quitting",
45                     argv[0]);
46             exit(EXIT_FAILURE);
47         }
48     }
49     else {
50         // Woops we are using std... type io
51         yyin = stdin;
52         yyout = stdout;
53     }
54
55     yylex();
56     exit(EXIT_SUCCESS);
57 }
58
59 // $Log: PanClean.l,v $
60 // Revision 1.4 2007-03-21 07:59:23-08 Hamilton
61 // Normal end of day data saving
62 //
63

```

1.2.13 FixPP

FixPP will format Panasonic data captures so that they are readable.

1. This filter is written in Flex.
2. This filter is suitable for use with Panasonic's RS-485 Protocols only.
3. This filter is sensitive to having DCE (for data coming from the Keyboard) and DTE (for data coming from the Dome) having data coming from the Headend/Keyboard or the Dome/Camera.
4. A typical command line use of this filter is shown in: `jj1.bat` (Section 1.1.3, page 4).
5. Listing of: `hppsamp.08` a typical input file.

```

1      1,      1: DTE      1 2007      0.000000      0.000000 02
2      1,      2: DTE      2 2007      0.000580      0.000580 41
3      1,      3: DTE      3 2007      0.001158      0.000578 44
4      1,      4: DTE      4 2007      0.002071      0.000913 30
5      1,      5: DTE      5 2007      0.002652      0.000581 31
6      1,      6: DTE      6 2007      0.003232      0.000580 3b
7      1,      7: DTE      7 2007      0.003812      0.000580 47
8      1,      8: DTE      8 2007      0.004390      0.000578 43
9      1,      9: DTE      9 2007      0.004971      0.000581 37
10     1,     10: DTE     10 2007      0.005548      0.000577 3a
11     1,     11: DTE     11 2007      0.006126      0.000578 32
12     1,     12: DTE     12 2007      0.007071      0.000945 30
13     1,     13: DTE     13 2007      0.007650      0.000579 32
14     1,     14: DTE     14 2007      0.008230      0.000580 30
15     1,     15: DTE     15 2007      0.008810      0.000580 31
16     1,     16: DTE     16 2007      0.009389      0.000579 35
17     1,     17: DTE     17 2007      0.010112      0.000723 30
18     1,     18: DTE     18 2007      0.010689      0.000577 03
19     2,     19: DTE     38 2007      0.084193      0.003760 06
20     2,     20: DTE     39 2007      1.785272      1.701079 02

```

6. Listing of: `hppsamp.09` a typical output file.

```

1      1,      1: DTE      1 2007      0.000000      0.000000 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 31 35 30 03
2      2,     19: DTE     38 2007      0.084193      0.003760 06
3      2,     20: DTE     39 2007      1.785272      1.701079 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 30 30 03
4      3,     38: DTE     76 2007      1.853014      0.003387 06
5      3,     39: DTE     77 2007      1.868684      0.015670 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 30 32 30 03
6      4,     57: DTE    114 2007      1.952844      0.003620 06
7      4,     58: DTE    115 2007      1.968784      0.015940 02 41 44 30 31 3b 47 43 37 3a 30 30 32 30 31 30 36 03

```

1.2.14 Listing of FixPP.l

```

1  %{
2  //      7,      7: DCE      13      0.155173      0.000012 02
3  //      8,      8: DCE      15      0.155718      0.000533 52
4  //      9,      9: DCE      17      0.156174      0.000011 4f
5  //     10,     10: DCE      19      0.156768      0.000582 4e
6  //     11,     11: DCE      21      0.157294      0.000011 3a
7  //     12,     12: DCE      23      0.157820      0.000514 30
8  //     13,     13: DCE      25      0.158346      0.000011 03
9  //     14,     14: DCE      27      0.178838      0.020481 06
10 //123456789 123456789 123456789 123456789 123456789 123456789
11 //
12 // $Header: d:/Binder4/sda2/RCS/FixPP.l,v 1.1 2008-06-10 13:27:47-07 Hamilton Exp Hamilton $
13 // FixPP will format Panasonic data captures so that they are readable.
14 #include <stdio.h>
15 #include <stdlib.h>
16 #undef yywrap

```

```

17 int i;
18 %}
19 %x HAVEMESSAGE
20 %%
21 .*"DTE".*" 02"          |
22 .*"DCE".*" 02"          ECHO; BEGIN HAVEMESSAGE;
23
24 <HAVEMESSAGE>.*[1-9a-f][0-9a-f]$ i = strlen(yytext); fprintf(yyout," %c%c",yytext[i-2],yytext[i-1]);
25 <HAVEMESSAGE>.*[0][01457-9a-f]$ i = strlen(yytext); fprintf(yyout," %c%c",yytext[i-2],yytext[i-1]);
26
27 <HAVEMESSAGE>.*"0"[36]$      i = strlen(yytext); fprintf(yyout," %c%c\n",yytext[i-2],yytext[i-1]); BEGIN 0;
28 <HAVEMESSAGE>.*"02"$         fprintf(yyout,"\n%s",yytext);
29
30 <HAVEMESSAGE>.\|\n          ;
31
32 .*"DTE".*" 06"          |
33 .*"DCE".*" 06"          fprintf(yyout,"%s\n",yytext); //BEGIN HAVEMESSAGE;
34
35 .\|\n                    ;
36 %%
37 // yywrap is for End Of File processing, 1 = done
38 int yywrap(void)
39 {
40     return 1;
41 }
42
43 main(int argc, char *argv[])
44 {
45     fprintf(stderr,"$Id: FixPP.1,v 1.1 2008-06-10 13:27:47-07 Hamilton Exp Hamilton $\n");
46
47     // Do we have to deal with stdin/stdout?
48     // 3 = one for the program name and one each for input and output names
49     if (argc == 3) {
50         // Nope
51         // Get over the program, etc., name
52         argc--;
53         argv++;
54         yyin = fopen(argv[0],"r");
55         if (yyin == NULL) {
56             fprintf(stderr,"\aCould not open \"%s\" for reading, quitting",
57                     argv[0]);
58             exit(EXIT_FAILURE);
59         }
60
61         // Now get over the input file name and get to the output file name
62         argc--;
63         argv++;
64         yyout = fopen(argv[0],"w");
65         if (yyout == NULL) {
66             fprintf(stderr,"\aCould not open \"%s\" for writing, quitting",
67                     argv[0]);
68             exit(EXIT_FAILURE);
69         }
70     }
71     else {
72         // Woops we are using std... type io
73         yyin = stdin;
74         yyout = stdout;
75     }
76
77     yylex();
78     exit(EXIT_SUCCESS);
79 }
80
81 // $Log: FixPP.1,v $
82 // Revision 1.1 2008-06-10 13:27:47-07 Hamilton
83 // Initial revision
84 //
85 // Revision 1.5 2008-04-21 11:02:42-07 Hamilton
86 // Normal end of day data saving
87 //
88 // Revision 1.4 2008-04-21 09:22:54-07 Hamilton

```

```
89 // Normal end of day data saving
90 //
91 // Revision 1.3 2008-04-08 10:35:07-07 Hamilton
92 // Normal end of day data saving
93 //
94 // Revision 1.2 2008-04-07 15:01:27-07 Hamilton
95 // Normal end of day data saving
96 //
97 // Revision 1.1 2008-04-07 14:49:03-07 Hamilton
98 // Initial revision
99 //
100 // Revision 1.10 2007-02-08 06:45:52-08 Hamilton
101 // Normal end of day data saving
102 //
103
```

1.2.15 PanDump

PANDUMP is used to get rid of extra stuff to the left of a command, etc.

1. This filter is written in Flex.
2. This filter is suitable for use with Panasonic's RS-485 Protocols only.
3. This filter is sensitive to having DCE (for data coming from the Keyboard) and DTE (for data coming from the Dome) having data coming from the Headend/Keyboard or the Dome/Camera.
4. A typical command line use of this filter is shown in: `jj1.bat` (Section 1.1.3, page 4).
5. **Listing of: hppsamp.14 a typical input file.**

```

1      1,      1: DCE      19 2007      0.038080      0.000 06                                a
-- ACK
2      1,      2: DCE      20 2007      0.071098      0.033 02 41 44 30 31 3b 47 43 37 3a 32 30 32 31 35 30 30 03
sAD01;GC7:2021500e -- 256 step PT is supported
3      2,      19: DTE      38 2007      0.084193      0.003 06                                a
-- ACK
4      2,      20: DTE      39 2007      1.785272      1.701 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 30 30 03
sAD01;GC7:2020000e -- Camera Status Request
5      2,      20: DCE      57 2007      1.806858      0.000 06                                a
-- ACK
6      2,      21: DCE      58 2007      1.840281      0.033 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 30 30 34 03
sAD01;GC7:2020004e -- Auto Pan, Defroster and Wiper are Off, Camera is On
7      3,      38: DTE      76 2007      1.853014      0.003 06                                a
-- ACK
8      3,      39: DTE      77 2007      1.868684      0.015 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 30 32 30 03
sAD01;GC7:2020020e -- Camera AUX Status Request
9      3,      39: DCE      95 2007      1.906979      0.000 06                                a
-- ACK
10     3,      40: DCE      96 2007      1.939859      0.032 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 32 33 30 03
sAD01;GC7:2020230e -- Aux Mode/type, 20202ms m = mode latch/momentary, s = status on/off
11     4,      57: DTE     114 2007      1.952844      0.003 06                                a
-- ACK
12     4,      58: DTE     115 2007      1.968784      0.015 02 41 44 30 31 3b 47 43 37 3a 30 30 32 30 31 30 36 03
sAD01;GC7:0020106e -- Camera Status B/W On/Off/Auto
13     4,      58: DCE     133 2007      1.990745      0.000 06                                a
-- ACK
14     4,      59: DCE     134 2007      2.023908      0.033 02 41 20 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 31 35 30
03 sA sAD01;GC7:2020150e -- 256 step PT Unit Request

```

6. **Listing of: hppsamp.15 a typical output file.**

```

1 DCE      19 2 a -- ACK
2 DCE      20 23 sAD01;GC7:2021500e -- 256 step PT is supported
3 DTE      38 2 a -- ACK
4 DTE      39 23 sAD01;GC7:2020000e -- Camera Status Request
5 DCE      57 2 a -- ACK
6 DCE      58 23 sAD01;GC7:2020004e -- Auto Pan, Defroster and Wiper are Off, Camera is On
7 DTE      76 2 a -- ACK
8 DTE      77 23 sAD01;GC7:2020020e -- Camera AUX Status Request
9 DCE      95 2 a -- ACK
10 DCE      96 23 sAD01;GC7:2020230e -- Aux Mode/type, 20202ms m = mode latch/momentary, s = status on/off
11 DTE     114 2 a -- ACK
12 DTE     115 23 sAD01;GC7:0020106e -- Camera Status B/W On/Off/Auto
13 DCE     133 2 a -- ACK
14 DCE     134 21 35 30 03 sA sAD01;GC7:2020150e -- 256 step PT Unit Request

```

1.2.16 Listing of PanDump.l

```

1  %{
2  //      1,      1: DCE      1      0.000000      0.000000 02 41 44 30 31 3b 52 4f 4e 3a 30 03
sAD01;RON:0e      -- Set for: Reply ACK, Reply Answer, Reply Errors are sent
3  //      13,      13: DCE      25      0.026439      0.000011 06
-- ACK
4  //      14,      13: DTE      26      0.026450      0.000011 06
-- ACK
5  //      14,      14: DCE      27      0.026956      0.000506 02 41 44 30 31 3b 52 4f 4e 03
-- ACK from a Suppress/enable reverse communications command
6  //      15,      14: DTE      28      0.026968      0.000012 02 41 44 30 31 3b 52 4f 4e 03
-- ACK from a Suppress/enable reverse communications command
7  //      24,      24: DCE      47      1.078209      1.046583 02 41 44 30 31 3b 47 43 37 3a 30 30 32 31 37 36 30 03
sAD01;GC7:0021760e -- All Reset.or.Motion Detect Off, Answer
8  //      25,      24: DTE      48      1.078220      0.000011 02 41 44 30 31 3b 47 43 37 3a 30 30 32 31 37 36 30 03
sAD01;GC7:0021760e -- All Reset.or.Motion Detect Off, Answer
9  //      42,      42: DCE      83      1.107529      0.020332 06
-- ACK
10 //      43,      42: DTE      84      1.107540      0.000011 06
-- ACK
11 //      43,      43: DCE      85      1.174680      0.000011 02 41 44 30 31 3b 47 43 37 3a 30 30 32 45 37 36 30 03
sAD01;GC7:002E760e -- All Reset, Answer
12 //123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789
123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789
13 //
14 // $Header: d:/Binder4/sda2/RCS/PanDump.l,v 1.1 2008-06-10 13:27:08-07 Hamilton Exp Hamilton $
15 // PanDump is used to get rid of extra stuff to the left of a command, etc.
16 #include <stdio.h>
17 #include <stdlib.h>
18 #undef yywrap
19 %}
20 %x GETBYTEN0 DUMPABUNCH TOENDOFLINE
21 %%
22 "$".*\\n ;
23
24 .*: DCE "      fprintf(yyout,"DCE "); BEGIN GETBYTEN0;
25 .*: DTE"      fprintf(yyout," DTE"); BEGIN GETBYTEN0;
26
27 <GETBYTEN0>.{8}      ECHO; BEGIN DUMPABUNCH;
28
29 <DUMPABUNCH>.{78}      BEGIN TOENDOFLINE;
30
31 <TOENDOFLINE>.*\\n      ECHO; BEGIN 0;
32
33 .|\\n      ;
34 %%
35 // yywrap is for End Of File processing, 1 = done
36 int yywrap(void)
37 {
38     return 1;
39 }
40
41 main(int argc, char *argv[])
42 {
43     fprintf(stderr,"$Id: PanDump.l,v 1.1 2008-06-10 13:27:08-07 Hamilton Exp Hamilton $\\n");
44
45     // Do we have to deal with stdin/stdout?
46     // 3 = one for the program name and one each for input and output names
47     if (argc == 3) {
48         // Nope
49         // Get over the program, etc., name
50         argc--;
51         argv++;
52         yyin = fopen(argv[0],"r");
53         if (yyin == NULL) {
54             fprintf(stderr,"\\aCould not open \"%s\\\" for reading, quitting",
55                 argv[0]);
56             exit(EXIT_FAILURE);
57         }

```

```
58
59     // Now get over the input file name and get to the output file name
60     argc--;
61     argv++;
62     yyout = fopen(argv[0],"w");
63     if (yyout == NULL) {
64         fprintf(stderr,"\\aCould not open \"%s\" for writing, quitting",
65             argv[0]);
66         exit(EXIT_FAILURE);
67     }
68 }
69 else {
70     // Woops we are using std... type io
71     yyin = stdin;
72     yyout = stdout;
73 }
74
75 yylex();
76 exit(EXIT_SUCCESS);
77 }
78
79 // $Log: PanDump.1,v $
80 // Revision 1.1  2008-06-10 13:27:08-07  Hamilton
81 // Initial revision
82 //
83 // Revision 1.1  2008-04-09 10:57:30-07  Hamilton
84 // Initial revision
85 //
86 // Revision 1.10  2007-02-08 06:45:52-08  Hamilton
87 // Normal end of day data saving
88 //
89
```

1.2.17 PanHtoA

PANHtoA is used to convert Panasonic data captures from Hexidecimal to ASCII.

1. This filter is written in Flex.
2. This filter is suitable for use with Panasonic's RS-485 Protocols only.
3. This filter is sensitive to having DCE (for data coming from the Keyboard) and DTE (for data coming from the Dome) having data coming from the Headend/Keyboard or the Dome/Camera.
4. A typical command line use of this filter is shown in: `jj1.bat` (Section 1.1.3, page 4).
5. Listing of: `hppsamp.12` a typical input file.

```

1      1,      1: DCE      19 2007      0.038080      0.000577 06
2      1,      2: DCE      20 2007      0.071098      0.033018 02 41 44 30 31 3b 47 43 37 3a 32 30 32 31 35 30 30 03
3      2,      19: DTE      38 2007      0.084193      0.003760 06
4      2,      20: DTE      39 2007      1.785272      1.701079 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 30 30 03
5      2,      20: DCE      57 2007      1.806858      0.000585 06
6      2,      21: DCE      58 2007      1.840281      0.033423 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 30 30 34 03
7      3,      38: DTE      76 2007      1.853014      0.003387 06
8      3,      39: DTE      77 2007      1.868684      0.015670 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 30 32 30 03
9      3,      39: DCE      95 2007      1.906979      0.000580 06
10     3,      40: DCE      96 2007      1.939859      0.032880 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 32 33 30 03
11     4,      57: DTE     114 2007      1.952844      0.003620 06
12     4,      58: DTE     115 2007      1.968784      0.015940 02 41 44 30 31 3b 47 43 37 3a 30 30 32 30 31 30 36 03
13     4,      58: DCE     133 2007      1.990745      0.000580 06
14     4,      59: DCE     134 2007      2.023908      0.033163 02 41      1,      1: DTE      1 2007      0.000000
0.000000 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 31 35 30 03

```

6. Listing of: `hppsamp.13` a typical output file.

```

1      1,      1: DCE      19 2007      0.038080      0.000 06
2      1,      2: DCE      20 2007      0.071098      0.033 02 41 44 30 31 3b 47 43 37 3a 32 30 32 31 35 30 30 03
sAD01;GC7:2021500e
3      2,      19: DTE      38 2007      0.084193      0.003 06
4      2,      20: DTE      39 2007      1.785272      1.701 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 30 30 03
sAD01;GC7:2020000e
5      2,      20: DCE      57 2007      1.806858      0.000 06
6      2,      21: DCE      58 2007      1.840281      0.033 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 30 30 34 03
sAD01;GC7:2020004e
7      3,      38: DTE      76 2007      1.853014      0.003 06
8      3,      39: DTE      77 2007      1.868684      0.015 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 30 32 30 03
sAD01;GC7:2020020e
9      3,      39: DCE      95 2007      1.906979      0.000 06
10     3,      40: DCE      96 2007      1.939859      0.032 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 32 33 30 03
sAD01;GC7:2020230e
11     4,      57: DTE     114 2007      1.952844      0.003 06
12     4,      58: DTE     115 2007      1.968784      0.015 02 41 44 30 31 3b 47 43 37 3a 30 30 32 30 31 30 36 03
sAD01;GC7:0020106e
13     4,      58: DCE     133 2007      1.990745      0.000 06
14     4,      59: DCE     134 2007      2.023908      0.033 02 41 20 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 31 35 30
03 sA sAD01;GC7:2020150e

```

1.2.18 Listing of PanHtoA.l

```

1  %{
2  //123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789
123456789
3  //      7,      7: DCE      13      0.155173      0.000012 02 52 4f 4e 3a 30 03
4  //     14,     14: DCE      27      0.178838      0.020481 06
5  //     15,     15: DCE      29      0.179354      0.000011 02 52 4f 4e 03
6  //     20,     20: DCE      39      1.307585      1.126148 02 41 44 30 31 3b 47 43 37 3a 30 30 32 31 37 36 30 03

```

```

7 // 38,      38: DCE      75      1.337616    0.021058 06
8 // 39,      39: DCE      77      1.440592    0.000011 02 41 44 30 31 3b 47 43 37 3a 30 30 32 45 37 36 30 03
9 // 57,      57: DCE     113     51.483319    0.000011 02 41 44 30 31 3b 51 49 44 03
10 // 67,      67: DCE     133     51.508922    0.000011 06
11 // 68,      68: DCE     135     51.559859    0.050926 02 41 44 30 31 3b 57 56 2d 43 53 39 35 34 03
12 // 88,      88: DCE     175     52.762625    0.124918 02 41 44 30 31 3b 47 43 37 3a 30 30 32 30 31 30 36 03
13 //123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789
123456789
14 //
15 // $Header: d:/Binder4/sda2/RCS/PanHtoA.1,v 1.1 2008-06-10 13:27:15-07 Hamilton Exp Hamilton $
16 // PanHtoA is used to convert Panasonic data captures from Hexidecimal to ASCII.
17 #include <stdio.h>
18 #include <stdlib.h>
19 #undef yywrap
20
21 #define LINELENGTH 107
22 int i;
23 char message[1000];
24 char command[1000];
25
26 void makeascii(void);
27
28 %}
29 %x TRANSTWO
30 %%
31 ^.{52}          strcpy(command,yytext); BEGIN TRANSTWO;
32
33 <TRANSTWO>" 15"   |
34 <TRANSTWO>" 03"   |
35 <TRANSTWO>" 06"   {makeascii();
36                     while (strlen(command) < LINELENGTH) {
37                         strcat(command," ");
38                     }
39                     fprintf(yyout,"%s %s\n",command,message);
40                     command[0] = '\0';
41                     message[0] = '\0';
42                     BEGIN 0;
43                 }
44 <TRANSTWO>\n      {
45                     while (strlen(command) < 107) {
46                         strcat(command," ");
47                     }
48                     fprintf(yyout,"%s %s\n",command,message);
49                     command[0] = '\0';
50                     message[0] = '\0';
51                     BEGIN 0;
52                 }
53
54 <TRANSTWO>" "[1-9a-f][0-9a-f] makeascii();
55 <TRANSTWO>" "[0][012457-9a-f] makeascii();
56 <TRANSTWO>.      ;
57
58
59 .|\n      ;
60 %%
61 //
62 //<TRANSTWO>" 06 06" {strcat(command,yytext);
63 //                    strcat(message,"a a");
64 //                    while (strlen(command) < LINELENGTH) {
65 //                        strcat(command," ");
66 //                    }
67 //                    fprintf(yyout,"%s %s\n",command,message);
68 //                    command[0] = '\0';
69 //                    message[0] = '\0';
70 //                    BEGIN 0;
71 //                }
72 //
73 // Translates the " xx" character string in yytext to an ASCII character
74 // which is concatenated onto the end of message.
75 //
76 void makeascii(void)
77 {

```

```

78 char tempc[10];
79 int nibble1;
80 int nibble2;
81 int temp;
82
83 // 0x5F = "_" an underscore character
84 int xlate[] = {
85     0x5F,0x5F,'s','e',0x5F,0x5F,'a',0x5F, // 0 --> 7
86     0x5F,0x5F,0x5F,0x5F,0x5F,0x5F,0x5F,0x5F, // 8 --> 15
87     0x5F,0x5F,0x5F,0x5F,0x5F,'n',0x5F,0x5F, // 16 --> 23
88     0x5F,0x5F,0x5F,0x5F,0x5F,0x5F,0x5F,0x5F, // 24 --> 31
89     0x20,0x21,0x22,0x23,0x24,0x25,0x26,0x27, // 32 --> 39
90     0x28,0x29,0x2A,0x2B,0x2C,0x2D,0x2E,0x2F, // 40 --> 47
91     0x30,0x31,0x32,0x33,0x34,0x35,0x36,0x37, // 48 --> 55
92     0x38,0x39,0x3A,0x3B,0x3C,0x3D,0x3E,0x3F, // 56 --> 63
93     0x40,0x41,0x42,0x43,0x44,0x45,0x46,0x47, // 64 --> 71
94     0x48,0x49,0x4A,0x4B,0x4C,0x4D,0x4E,0x4F, // 72 --> 79
95     0x50,0x51,0x52,0x53,0x54,0x55,0x56,0x57, // 80 --> 87
96     0x58,0x59,0x5A,0x5B,0x5C,0x5D,0x5E,0x5F, // 88 --> 95
97     0x60,0x61,0x62,0x63,0x64,0x65,0x66,0x67, // 96 --> 103
98     0x68,0x69,0x6A,0x6B,0x6C,0x6D,0x6E,0x6F, // 104 --> 111
99     0x70,0x71,0x72,0x73,0x74,0x75,0x76,0x77, // 112 --> 119
100    0x78,0x79,0x7A,0x7B,0x7C,0x7D,0x7E,0x5F}; // 120 --> 127
101
102    strcat(command,yytext);
103    tempc[0] = yytext[1];
104    tempc[1] = '\0';
105    nibble1 = (int) strtol(tempc,NULL,16);
106    tempc[0] = yytext[2];
107    nibble2 = (int) strtol(tempc,NULL,16);
108    temp = (nibble1*16) + nibble2;
109    //    fprintf(yyout, ".%s %d.",yytext,temp);
110    //    fprintf(yyout,"%s = %d = %c\n",yytext,temp,xlate[temp]);
111    sprintf(tempc,"%c",xlate[temp]);
112    strcat(message,tempc);
113 }
114
115
116 // yywrap is for End Of File processing, 1 = done
117 int yywrap(void)
118 {
119     return 1;
120 }
121
122 main(int argc, char *argv[])
123 {
124     fprintf(stderr,"%Id: PanHtoA.1,v 1.1 2008-06-10 13:27:15-07 Hamilton Exp Hamilton $\n");
125
126     // Do we have to deal with stdin/stdout?
127     // 3 = one for the program name and one each for input and output names
128     if (argc == 3) {
129         // Nope
130         // Get over the program, etc., name
131         argc--;
132         argv++;
133         yyin = fopen(argv[0],"r");
134         if (yyin == NULL) {
135             fprintf(stderr,"\aCould not open \"%s\" for reading, quitting",
136                 argv[0]);
137             exit(EXIT_FAILURE);
138         }
139
140         // Now get over the input file name and get to the output file name
141         argc--;
142         argv++;
143         yyout = fopen(argv[0],"w");
144         if (yyout == NULL) {
145             fprintf(stderr,"\aCould not open \"%s\" for writing, quitting",
146                 argv[0]);
147             exit(EXIT_FAILURE);
148         }
149     }

```

```
150         else {
151             // Woops we are using std... type io
152             yyin = stdin;
153             yyout = stdout;
154         }
155
156         command[0] = '\0';
157         message[0] = '\0';
158         yylex();
159         exit(EXIT_SUCCESS);
160     }
161
162     // $Log: PanHtoA.1,v $
163     // Revision 1.1  2008-06-10 13:27:15-07  Hamilton
164     // Initial revision
165     //
166     // Revision 1.2  2008-04-21 09:22:55-07  Hamilton
167     // Normal end of day data saving
168     //
169     // Revision 1.1  2008-04-08 10:35:21-07  Hamilton
170     // Initial revision
171     //
172     // Revision 1.10  2007-02-08 06:45:52-08  Hamilton
173     // Normal end of day data saving
174     //
175
```

1.2.19 PanDump

PANINTRP is used to interpret Panasonic commands into real words.

1. This filter is written in Flex.
2. This filter is suitable for use with Panasonic's RS-485 Protocols only.
3. This filter is sensitive to having DCE (for data coming from the Keyboard) and DTE (for data coming from the Dome) having data coming from the Headend/Keyboard or the Dome/Camera.
4. A typical command line use of this filter is shown in: `jj1.bat` (Section 1.1.3, page 4).
5. **Listing of: hppsamp.13 a typical input file.**

```

1      1,      1: DCE      19 2007      0.038080      0.000 06
2      1,      2: DCE      20 2007      0.071098      0.033 02 41 44 30 31 3b 47 43 37 3a 32 30 32 31 35 30 30 03
sAD01;GC7:2021500e
3      2,      19: DTE      38 2007      0.084193      0.003 06
4      2,      20: DTE      39 2007      1.785272      1.701 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 30 30 03
sAD01;GC7:2020000e
5      2,      20: DCE      57 2007      1.806858      0.000 06
6      2,      21: DCE      58 2007      1.840281      0.033 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 30 30 34 03
sAD01;GC7:2020004e
7      3,      38: DTE      76 2007      1.853014      0.003 06
8      3,      39: DTE      77 2007      1.868684      0.015 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 30 32 30 03
sAD01;GC7:2020020e
9      3,      39: DCE      95 2007      1.906979      0.000 06
10     3,      40: DCE      96 2007      1.939859      0.032 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 32 33 30 03
sAD01;GC7:2020230e
11     4,      57: DTE     114 2007      1.952844      0.003 06
12     4,      58: DTE     115 2007      1.968784      0.015 02 41 44 30 31 3b 47 43 37 3a 30 30 32 30 31 30 36 03
sAD01;GC7:0020106e
13     4,      58: DCE     133 2007      1.990745      0.000 06
14     4,      59: DCE     134 2007      2.023908      0.033 02 41 20 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 31 35 30
03 sA sAD01;GC7:2020150e

```

6. **Listing of: hppsamp.14 a typical output file.**

```

1      1,      1: DCE      19 2007      0.038080      0.000 06
-- ACK
2      1,      2: DCE      20 2007      0.071098      0.033 02 41 44 30 31 3b 47 43 37 3a 32 30 32 31 35 30 30 03
sAD01;GC7:2021500e -- 256 step PT is supported
3      2,      19: DTE      38 2007      0.084193      0.003 06
-- ACK
4      2,      20: DTE      39 2007      1.785272      1.701 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 30 30 03
sAD01;GC7:2020000e -- Camera Status Request
5      2,      20: DCE      57 2007      1.806858      0.000 06
-- ACK
6      2,      21: DCE      58 2007      1.840281      0.033 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 30 30 34 03
sAD01;GC7:2020004e -- Auto Pan, Defroster and Wiper are Off, Camera is On
7      3,      38: DTE      76 2007      1.853014      0.003 06
-- ACK
8      3,      39: DTE      77 2007      1.868684      0.015 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 30 32 30 03
sAD01;GC7:2020020e -- Camera AUX Status Request
9      3,      39: DCE      95 2007      1.906979      0.000 06
-- ACK
10     3,      40: DCE      96 2007      1.939859      0.032 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 32 33 30 03
sAD01;GC7:2020230e -- Aux Mode/type, 20202ms m = mode latch/momentary, s = status on/off
11     4,      57: DTE     114 2007      1.952844      0.003 06
-- ACK
12     4,      58: DTE     115 2007      1.968784      0.015 02 41 44 30 31 3b 47 43 37 3a 30 30 32 30 31 30 36 03
sAD01;GC7:0020106e -- Camera Status B/W On/Off/Auto
13     4,      58: DCE     133 2007      1.990745      0.000 06
-- ACK
14     4,      59: DCE     134 2007      2.023908      0.033 02 41 20 02 41 44 30 31 3b 47 43 37 3a 32 30 32 30 31 35 30
03 sA sAD01;GC7:2020150e -- 256 step PT Unit Request

```

1.2.20 Listing of PanInTrp.l

```

1  %{
2  // $Header: d:/Binder4/sda2/RCS/PanInTrp.l,v 1.1 2008-06-10 13:27:20-07 Hamilton Exp Hamilton $
3  // PanInTrp is used to interpret Panasonic commands into real words.
4  #include <stdio.h>
5  #include <stdlib.h>
6  #undef yywrap
7  %}
8  %%
9  "0020102e" ECHO; fprintf(yyout," -- ALC/BLC Status Request\n");
10 "0020106e" ECHO; fprintf(yyout," -- Camera Status B/W On/Off/Auto\n");
11 "0020110e" ECHO; fprintf(yyout," -- Shutter Status Request\n");
12 "0020112e" ECHO; fprintf(yyout," -- Sens Up Auto(Set-up) Status Request\n");
13 "0020114e" ECHO; fprintf(yyout," -- Sens Up Auto(Condition) Status Request\n");
14 "0020116e" ECHO; fprintf(yyout," -- Sens Up Manual(Set-up) Status Request\n");
15 "0020121e" ECHO; fprintf(yyout," -- AGC Status Request\n");
16 "0020122e" ECHO; fprintf(yyout," -- Gain Up Status Request\n");
17 "0020124e" ECHO; fprintf(yyout," -- ELC Status Request\n");
18 "0020130e" ECHO; fprintf(yyout," -- White Balance Status Request\n");
19 "0020140e" ECHO; fprintf(yyout," -- Line Lock Status Request\n");
20 "0020162e" ECHO; fprintf(yyout," -- Undocumented, Answer\n");
21 "0020176e" ECHO; fprintf(yyout," -- Motion Detect Status Request\n");
22 "00201A2e" ECHO; fprintf(yyout," -- Auto Focus Area Status Request\n");
23
24 "0021002e" ECHO; fprintf(yyout," -- Iris (camera) Open\n");
25 "0021002:2021212e" ECHO; fprintf(yyout," -- Iris (camera) Open\n");
26 "0021003e" ECHO; fprintf(yyout," -- Iris (camera) Close\n");
27 "0021003:2021213e" ECHO; fprintf(yyout," -- Iris (camera) Close\n");
28 "0021004e" ECHO; fprintf(yyout," -- Iris (camera) Stop\n");
29 "0021004:2021214e" ECHO; fprintf(yyout," -- Iris (camera) Stop\n");
30 "0021005e" ECHO; fprintf(yyout," -- Iris (camera) Reset\n");
31 "0021005:2021215e" ECHO; fprintf(yyout," -- Iris (camera) Reset\n");
32
33 "0021020e" ECHO; fprintf(yyout," -- ALC/BLC Off, Answer\n");
34 "0021021e" ECHO; fprintf(yyout," -- ALC/BLC ALC, Answer\n");
35 "0021022e" ECHO; fprintf(yyout," -- ALC/BLC ELC, Answer\n");
36 "0021023e" ECHO; fprintf(yyout," -- ALC/BLC Manual, Answer\n");
37 "0021032e" ECHO; fprintf(yyout," -- ALC On\n");
38 "0021033e" ECHO; fprintf(yyout," -- ELC On\n");
39 "0021034e" ECHO; fprintf(yyout," -- Manual Iris On\n");
40 "0021040e" ECHO; fprintf(yyout," -- BW On\n");
41 "0021041e" ECHO; fprintf(yyout," -- BW Off\n");
42 "0021042e" ECHO; fprintf(yyout," -- BW Auto\n");
43 "0021050e" ECHO; fprintf(yyout," -- BW Burst On\n");
44 "0021051e" ECHO; fprintf(yyout," -- BW Burst Off\n");
45
46 "0021060e" ECHO; fprintf(yyout," -- B/W Status is On\n");
47 "0021061e" ECHO; fprintf(yyout," -- B/W Status is Off\n");
48 "0021062e" ECHO; fprintf(yyout," -- B/W Status is Auto or Auto1\n");
49 "0021063e" ECHO; fprintf(yyout," -- B/W Status is Auto2\n");
50
51 "0021100e" ECHO; fprintf(yyout," -- Shutter On\n");
52 "0021101e" ECHO; fprintf(yyout," -- Shutter Off\n");
53 "0021102e" ECHO; fprintf(yyout," -- Shutter Inc\n");
54 "0021103e" ECHO; fprintf(yyout," -- Shutter Dec\n");
55 "0021107e" ECHO; fprintf(yyout," -- Shutter Auto\n");
56 "0021109e" ECHO; fprintf(yyout," -- Shutter 1/100\n");
57 "002110Ce" ECHO; fprintf(yyout," -- Shutter 1/250\n");
58 "002110De" ECHO; fprintf(yyout," -- Shutter 1/500\n");
59 "002110Ee" ECHO; fprintf(yyout," -- Shutter 1/1000\n");
60 "002110Fe" ECHO; fprintf(yyout," -- Shutter 1/2000\n");
61 "0021110e" ECHO; fprintf(yyout," -- Shutter Off, Answer\n");
62 "0021111e" ECHO; fprintf(yyout," -- Shutter 1/100 NTSC only, Answer\n");
63 "0021112e" ECHO; fprintf(yyout," -- Shutter 1/120 PAL only, Answer\n");
64 "0021114e" ECHO; fprintf(yyout," -- Shutter 1/250, Answer\n");
65 "0021115e" ECHO; fprintf(yyout," -- Shutter 1/500, Answer\n");
66 "0021116e" ECHO; fprintf(yyout," -- Shutter 1/1000, Answer\n");
67 "0021117e" ECHO; fprintf(yyout," -- Shutter 1/2000, Answer\n");
68 "0021118e" ECHO; fprintf(yyout," -- Shutter 1/4000, Answer\n");

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69 "0021119e" ECHO; fprintf(yyout," -- Shutter 1/10000, Answer.or.Shutter 1/4000\n");
70 "002111Ae" ECHO; fprintf(yyout," -- Shutter 1/10000\n");
71 "0021120e" ECHO; fprintf(yyout," -- Sens Up Auto On.or.Sens Up Auto(Set-up) Off, Answer\n");
72 "0021121e" ECHO; fprintf(yyout," -- Sens Up Auto Off.or.Sens Up Auto(Set-up) Auto x1, Answer\n");
73 "0021122e" ECHO; fprintf(yyout," -- Sens Up Auto Inc.or.Sens Up Auto(Set-up) Auto x2, Answer\n");
74 "0021123e" ECHO; fprintf(yyout," -- Sens Up Auto Dec.or.Sens Up Auto(Set-up) Auto x4, Answer\n");
75 "0021124e" ECHO; fprintf(yyout," -- Sens Up Auto(Set-up) Auto x6, Answer\n");
76 "0021126e" ECHO; fprintf(yyout," -- Sens Up Auto(Set-up) Auto x10, Answer\n");
77 "0021129e" ECHO; fprintf(yyout," -- Sens Up Auto(Set-up) Auto x16, Answer\n");
78 "0021133e" ECHO; fprintf(yyout," -- Sens Up Auto(Set-up) Auto x32, Answer\n");
79 "0021140e" ECHO; fprintf(yyout," -- Sens Up Auto(Condition) Off, Answer\n");
80 "0021141e" ECHO; fprintf(yyout," -- Sens Up Auto(Condition) Auto x1, Answer\n");
81 "0021142e" ECHO; fprintf(yyout," -- Sens Up Auto(Condition) Auto x2, Answer\n");
82 "0021143e" ECHO; fprintf(yyout," -- Sens Up Auto(Condition) Auto x32, Answer.or.Sens Up Auto(Condition) Auto x4,
Answer\n");
83 "0021144e" ECHO; fprintf(yyout," -- Sens Up Auto(Condition) Auto x6, Answer\n");
84 "0021146e" ECHO; fprintf(yyout," -- Sens Up Auto(Condition) Auto x10, Answer\n");
85 "0021149e" ECHO; fprintf(yyout," -- Sens Up Auto(Condition) Auto x16, Answer\n");
86 "0021150e" ECHO; fprintf(yyout," -- Sens Up Manual On\n");
87 "0021151e" ECHO; fprintf(yyout," -- Sens Up Manual Off\n");
88 "0021152e" ECHO; fprintf(yyout," -- Sens Up Manual Inc\n");
89 "0021153e" ECHO; fprintf(yyout," -- Sens Up Manual Dec\n");
90 "0021160e" ECHO; fprintf(yyout," -- Sens Up Manual(Set-up) Off, Answer\n");
91 "0021161e" ECHO; fprintf(yyout," -- Sens Up Manual(Set-up) Auto x1, Answer\n");
92 "0021162e" ECHO; fprintf(yyout," -- Sens Up Manual(Set-up) Auto x2, Answer\n");
93 "0021163e" ECHO; fprintf(yyout," -- Sens Up Manual(Set-up) Auto x32, Answer.or.Sens Up Manual(Set-up) Auto x4,
Answer\n");
94 "0021164e" ECHO; fprintf(yyout," -- Sens Up Manual(Set-up) Auto x6, Answer\n");
95 "0021166e" ECHO; fprintf(yyout," -- Sens Up Manual(Set-up) Auto x10, Answer\n");
96 "0021169e" ECHO; fprintf(yyout," -- Sens Up Manual(Set-up) Auto x16, Answer\n");
97 "0021200e" ECHO; fprintf(yyout," -- AGC On\n");
98 "0021201e" ECHO; fprintf(yyout," -- AGC Off\n");
99 "0021208e" ECHO; fprintf(yyout," -- AGC Gain Up Low\n");
100 "0021209e" ECHO; fprintf(yyout," -- AGC Gain Up Mid\n");
101 "002120Ae" ECHO; fprintf(yyout," -- AGC Gain Up High\n");
102 "0021210e" ECHO; fprintf(yyout," -- AGC Off, Answer\n");
103 "0021211e" ECHO; fprintf(yyout," -- AGC Low, Answer\n");
104 "0021212e" ECHO; fprintf(yyout," -- AGC Mid, Answer\n");
105 "0021213e" ECHO; fprintf(yyout," -- AGC High, Answer\n");
106 "0021220e" ECHO; fprintf(yyout," -- Gain Up Off, Answer\n");
107 "0021221e" ECHO; fprintf(yyout," -- Gain Up Low, Answer\n");
108 "0021222e" ECHO; fprintf(yyout," -- Gain Up Mid, Answer\n");
109 "0021223e" ECHO; fprintf(yyout," -- Gain Up High, Answer\n");
110 "0021228e" ECHO; fprintf(yyout," -- Manual Gain Up Low\n");
111 "0021229e" ECHO; fprintf(yyout," -- Manual Gain Up Mid\n");
112 "002122Ae" ECHO; fprintf(yyout," -- Manual Gain Up High\n");
113 "0021241e" ECHO; fprintf(yyout," -- ELC Auto, Answer\n");
114 "0021242e" ECHO; fprintf(yyout," -- ELC Reset, Answer\n");
115 "0021243e" ECHO; fprintf(yyout," -- ELC Normal, Answer\n");
116 "00212A2e" ECHO; fprintf(yyout," -- BLC Mode Auto\n");
117 "00212A3e" ECHO; fprintf(yyout," -- BLC Mode Preset\n");
118 "00212B0e" ECHO; fprintf(yyout," -- BLC Set Up [start]\n");
119 "00212B1e" ECHO; fprintf(yyout," -- BLC Set Up [end]\n");
120 "00212C0e" ECHO; fprintf(yyout," -- BLC Set Up [mask on]\n");
121 "00212C1e" ECHO; fprintf(yyout," -- BLC Set Up [mask off]\n");
122 "00212C2e" ECHO; fprintf(yyout," -- BLC Set Up [mask clear]\n");
123 "00212C3e" ECHO; fprintf(yyout," -- BLC Set Up [mask reverse]\n");
124 "00212C8e" ECHO; fprintf(yyout," -- BLC Set Up [cursor up]\n");
125 "00212C9e" ECHO; fprintf(yyout," -- BLC Set Up [cursor right]\n");
126 "00212CAe" ECHO; fprintf(yyout," -- BLC Set Up [cursor down]\n");
127 "00212CBe" ECHO; fprintf(yyout," -- BLC Set Up [cursor left]\n");
128
129 "0021300:0021306e" ECHO; fprintf(yyout," -- AWC Set Up\n");
130 "0021300:0022306e" ECHO; fprintf(yyout," -- AWC On\n");
131
132 "0021301e" ECHO; fprintf(yyout," -- White Balance ATW, Answer\n");
133 "0021302e" ECHO; fprintf(yyout," -- White Balance AWC, Answer\n");
134 "0021303e" ECHO; fprintf(yyout," -- White Balance Manual, Answer\n");
135 "0021305e" ECHO; fprintf(yyout," -- AWC Reset\n");
136 "0021306e" ECHO; fprintf(yyout," -- AWC Start\n");
137 "0021310e" ECHO; fprintf(yyout," -- ATW On\n");
138 "0021312e" ECHO; fprintf(yyout," -- R Offset Up\n");

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139 "0021313e" ECHO; fprintf(yyout," -- R Offset Down\n");
140 "0021314e" ECHO; fprintf(yyout," -- R Offset Stop\n");
141 "0021315e" ECHO; fprintf(yyout," -- R Offset Reset\n");
142 "0021316e" ECHO; fprintf(yyout," -- B Offset Up\n");
143 "0021317e" ECHO; fprintf(yyout," -- B Offset Down\n");
144 "0021318e" ECHO; fprintf(yyout," -- B Offset Stop\n");
145 "0021319e" ECHO; fprintf(yyout," -- B Offset Reset\n");
146 "0021382e" ECHO; fprintf(yyout," -- Burst Phase Up\n");
147 "0021383e" ECHO; fprintf(yyout," -- Burst Phase Down\n");
148 "0021384e" ECHO; fprintf(yyout," -- Burst Phase Stop\n");
149 "0021385e" ECHO; fprintf(yyout," -- Burst Phase Reset\n");
150 "0021400e" ECHO; fprintf(yyout," -- Line Lock On, Answer\n");
151 "0021401e" ECHO; fprintf(yyout," -- Line Lock Off, Answer\n");
152 "0021452e" ECHO; fprintf(yyout," -- Line Lock On\n");
153 "0021453e" ECHO; fprintf(yyout," -- Line Lock Off(int)\n");
154 "0021454e" ECHO; fprintf(yyout," -- LL Phase Up\n");
155 "0021455e" ECHO; fprintf(yyout," -- LL Phase Down\n");
156 "0021456e" ECHO; fprintf(yyout," -- LL Phase Stop\n");
157 "0021560e" ECHO; fprintf(yyout," -- EL-Zoom On\n");
158 "0021561e" ECHO; fprintf(yyout," -- EL-Zoom Off\n");
159 "0021640e" ECHO; fprintf(yyout," -- Privacy Zone On\n");
160 "0021641e" ECHO; fprintf(yyout," -- Privacy Zone Off\n");
161 "0021642e" ECHO; fprintf(yyout," -- Privacy zone(2) On\n");
162 "0021690e" ECHO; fprintf(yyout," -- Motion Detect On\n");
163 "0021691e" ECHO; fprintf(yyout," -- Motion Detect Off\n");
164 "0021696e" ECHO; fprintf(yyout," -- Motion Detect Mode 2 On\n");
165 "00216A8e" ECHO; fprintf(yyout," -- DNR Low\n");
166 "00216AAe" ECHO; fprintf(yyout," -- DNR High\n");
167 "00216B0e" ECHO; fprintf(yyout," -- D-Range On\n");
168 "00216B1e" ECHO; fprintf(yyout," -- D-Range Off\n");
169 "00216F0e" ECHO; fprintf(yyout," -- Stabilizer On\n");
170 "00216F1e" ECHO; fprintf(yyout," -- Stabilizer Off\n");
171 "0021760e" ECHO; fprintf(yyout," -- All Reset.or.Motion Detect Off, Answer\n");
172 "0021761e" ECHO; fprintf(yyout," -- Motion Detect On, Answer.or.Re-Set.or.Restart\n");
173 "00217C0e" ECHO; fprintf(yyout," -- Resolution Normal\n");
174 "00217C1e" ECHO; fprintf(yyout," -- Resolution High\n");
175 "0021940e" ECHO; fprintf(yyout," -- Set Up Menu On\n");
176 "0021941e" ECHO; fprintf(yyout," -- Set Up Menu Off\n");
177 "0021942e" ECHO; fprintf(yyout," -- Set Up Menu [cursor up]\n");
178 "0021943e" ECHO; fprintf(yyout," -- Set Up Menu [cursor right]\n");
179 "0021944e" ECHO; fprintf(yyout," -- Set Up Menu [cursor down]\n");
180 "0021945e" ECHO; fprintf(yyout," -- Set Up Menu [cursor left]\n");
181 "0021946e" ECHO; fprintf(yyout," -- Select Area Fast Up\n");
182 "0021947e" ECHO; fprintf(yyout," -- Select Area Fast Right\n");
183 "0021948e" ECHO; fprintf(yyout," -- Select Area Fast Down\n");
184 "0021949e" ECHO; fprintf(yyout," -- Select Area Fast Left\n");
185 "002194Ae" ECHO; fprintf(yyout," -- Set Up Menu Set 1\n");
186 "002194Be" ECHO; fprintf(yyout," -- Set Up Menu Set 2\n");
187 "002194Ce" ECHO; fprintf(yyout," -- Button Pressed Left + Right (F2).or.Set Up Menu SW (reset)\n");
188 "002194De" ECHO; fprintf(yyout," -- Button Pressed Left + Center + Right (F3).or.Set Up Menu SW (all reset)\n");
189 "002194Ee" ECHO; fprintf(yyout," -- Set Up Special Menu\n");
190 "002194Fe" ECHO; fprintf(yyout," -- Set Up Menu [cursor stop]\n");
191 "00219A0e" ECHO; fprintf(yyout," -- Digital Flip On\n");
192 "00219A1e" ECHO; fprintf(yyout," -- Digital Flip Off\n");
193 "00219C0e" ECHO; fprintf(yyout," -- Menu On\n");
194 "00219C1e" ECHO; fprintf(yyout," -- Menu Off\n");
195 "00219C8e" ECHO; fprintf(yyout," -- Area Title 1 Set\n");
196 "00219C9e" ECHO; fprintf(yyout," -- Area Title 2 Set\n");
197 "00219CAe" ECHO; fprintf(yyout," -- Area Title 3 Set\n");
198 "00219CBe" ECHO; fprintf(yyout," -- Area Title 4 Set\n");
199 "00219CCe" ECHO; fprintf(yyout," -- Area Title 5 Set\n");
200 "00219CDe" ECHO; fprintf(yyout," -- Area Title 6 Set\n");
201 "00219CEe" ECHO; fprintf(yyout," -- Area Title 7 Set\n");
202 "00219CFe" ECHO; fprintf(yyout," -- Area Title 8 Set\n");
203 "00219D0e" ECHO; fprintf(yyout," -- Area Title Default On\n");
204 "00219D1e" ECHO; fprintf(yyout," -- Area Title Off\n");
205 "00219E0e" ECHO; fprintf(yyout," -- Area Title 1 Read Start\n");
206 "00219E1e" ECHO; fprintf(yyout," -- Area Title 1 Write Start\n");
207 "00219E2e" ECHO; fprintf(yyout," -- Area Title 2 Read Start\n");
208 "00219E3e" ECHO; fprintf(yyout," -- Area Title 2 Write Start\n");
209 "00219E4e" ECHO; fprintf(yyout," -- Area Title 3 Read Start\n");
210 "00219E5e" ECHO; fprintf(yyout," -- Area Title 3 Write Start\n");

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211 "00219E6e" ECHO; fprintf(yyout," -- Area Title 4 Read Start\n");
212 "00219E7e" ECHO; fprintf(yyout," -- Area Title 4 Write Start\n");
213 "00219E8e" ECHO; fprintf(yyout," -- Area Title 5 Read Start\n");
214 "00219E9e" ECHO; fprintf(yyout," -- Area Title 5 Write Start\n");
215 "00219EAe" ECHO; fprintf(yyout," -- Area Title 6 Read Start\n");
216 "00219EBe" ECHO; fprintf(yyout," -- Area Title 6 Write Start\n");
217 "00219ECe" ECHO; fprintf(yyout," -- Area Title 7 Read Start\n");
218 "00219EDe" ECHO; fprintf(yyout," -- Area Title 7 Write Start\n");
219 "00219EEe" ECHO; fprintf(yyout," -- Area Title 8 Read Start\n");
220 "00219EFe" ECHO; fprintf(yyout," -- Area Title 8 Write Start\n");
221
222 "00219F0e" ECHO; fprintf(yyout," -- Function Request\n");
223 "00219F0:0022000e" ECHO; fprintf(yyout," -- Preset 1 Call, Equivalent\n");
224 "00219F0:0022010e" ECHO; fprintf(yyout," -- Preset 2 Call, Equivalent\n");
225 "00219F0:00223E0e" ECHO; fprintf(yyout," -- Preset 63 Call, Equivalent\n");
226 "00219F0:00223F0e" ECHO; fprintf(yyout," -- Preset 64 Call, Equivalent\n");
227 "00219F0:0022400e" ECHO; fprintf(yyout," -- Auto - Pan On, Equivalent\n");
228 "00219F0:0022410e" ECHO; fprintf(yyout," -- Auto - Pan Off, Equivalent\n");
229 "00219F0:0022420e" ECHO; fprintf(yyout," -- Auto - Pan Speed Inc, Equivalent\n");
230 "00219F0:0022430e" ECHO; fprintf(yyout," -- Auto - Pan Speed Dec, Equivalent\n");
231 "00219F0:0022440e" ECHO; fprintf(yyout," -- Auto - Pan Start Point Set, Equivalent\n");
232 "00219F0:0022450e" ECHO; fprintf(yyout," -- Auto - Pan End Point Set, Equivalent\n");
233 "00219F0:0022460e" ECHO; fprintf(yyout," -- Auto - Mode Off, Equivalent\n");
234 "00219F0:0022470e" ECHO; fprintf(yyout," -- Auto - Seq On, Equivalent\n");
235 "00219F0:0022480e" ECHO; fprintf(yyout," -- Auto - Sort On, Equivalent\n");
236 "00219F0:0022490e" ECHO; fprintf(yyout," -- Auto - Pan Sweep Area Invert, Equivalent\n");
237 "00219F0:00224A0e" ECHO; fprintf(yyout," -- reserved.or.reserved\n");
238 "00219F0:00224B0e" ECHO; fprintf(yyout," -- Endless On, Equivalent\n");
239 "00219F0:00224C0e" ECHO; fprintf(yyout," -- Endless Off, Equivalent\n");
240 "00219F0:00224D0e" ECHO; fprintf(yyout," -- Digital Flip On, Equivalent\n");
241 "00219F0:00224E0e" ECHO; fprintf(yyout," -- Digital Flip Off, Equivalent\n");
242 "00219F0:00224F0e" ECHO; fprintf(yyout," -- Proportional P/T On, Equivalent\n");
243 "00219F0:0022500e" ECHO; fprintf(yyout," -- Proportional P/T Off, Equivalent\n");
244 "00219F0:0022510e" ECHO; fprintf(yyout," -- reserved\n");
245 "00219F0:0022520e" ECHO; fprintf(yyout," -- reserved\n");
246 "00219F0:0022530e" ECHO; fprintf(yyout," -- Super-DII On, Equivalent\n");
247 "00219F0:0022540e" ECHO; fprintf(yyout," -- Super-DII Off, Equivalent\n");
248 "00219F0:0022550e" ECHO; fprintf(yyout," -- Stop AF On, Equivalent\n");
249 "00219F0:0022560e" ECHO; fprintf(yyout," -- Stop AF Off, Equivalent\n");
250 "00219F0:0022570e" ECHO; fprintf(yyout," -- 1 Shot AF On (start), Equivalent\n");
251 "00219F0:0022580e" ECHO; fprintf(yyout," -- Home Position Move, Equivalent\n");
252 "00219F0:0022590e" ECHO; fprintf(yyout," -- Home Position On, Equivalent\n");
253 "00219F0:00225A0e" ECHO; fprintf(yyout," -- Home Position Off, Equivalent\n");
254 "00219F0:00225B0e" ECHO; fprintf(yyout," -- Home Position Auto, Equivalent\n");
255 "00219F0:00225C0e" ECHO; fprintf(yyout," -- Camera ID On, Equivalent\n");
256 "00219F0:00225D0e" ECHO; fprintf(yyout," -- Camera ID Off, Equivalent\n");
257 "00219F0:00225E0e" ECHO; fprintf(yyout," -- Area Title NESW On, Equivalent\n");
258 "00219F0:00225F0e" ECHO; fprintf(yyout," -- Area Title User On, Equivalent\n");
259 "00219F0:0022600e" ECHO; fprintf(yyout," -- Area Title Off, Equivalent\n");
260 "00219F0:0022610e" ECHO; fprintf(yyout," -- EL-Zoom On, Equivalent\n");
261 "00219F0:0022620e" ECHO; fprintf(yyout," -- EL-Zoom Off, Equivalent\n");
262 "00219F0:0022630e" ECHO; fprintf(yyout," -- Refresh, Equivalent\n");
263 "00219F0:0022640e" ECHO; fprintf(yyout," -- Preset 1 Set, Equivalent\n");
264 "00219F0:0022650e" ECHO; fprintf(yyout," -- Preset 2 Set, Equivalent\n");
265 "00219F0:0022A20e" ECHO; fprintf(yyout," -- Preset 63 Set, Equivalent\n");
266 "00219F0:0022A30e" ECHO; fprintf(yyout," -- Preset 64 Set, Equivalent\n");
267 "00219F0:0022A40e" ECHO; fprintf(yyout," -- Patrol - Play, Equivalent\n");
268 "00219F0:0022A50e" ECHO; fprintf(yyout," -- Patrol - Stop, Equivalent\n");
269 "00219F0:0022A60e" ECHO; fprintf(yyout," -- Patrol - Learn, Equivalent\n");
270 "00219F0:0022A80e" ECHO; fprintf(yyout," -- Iris Open, Equivalent\n");
271 "00219F0:0022A90e" ECHO; fprintf(yyout," -- Iris Close, Equivalent\n");
272 "00219F0:0022AA0e" ECHO; fprintf(yyout," -- Shutter On, Equivalent\n");
273 "00219F0:0022AB0e" ECHO; fprintf(yyout," -- Shutter Off, Equivalent\n");
274 "00219F0:0022AC0e" ECHO; fprintf(yyout," -- Shutter Inc, Equivalent\n");
275 "00219F0:0022AD0e" ECHO; fprintf(yyout," -- Shutter Dec, Equivalent\n");
276 "00219F0:0022AE0e" ECHO; fprintf(yyout," -- AGC On, Equivalent\n");
277 "00219F0:0022AF0e" ECHO; fprintf(yyout," -- AGC Off, Equivalent\n");
278 "00219F0:0022B00e" ECHO; fprintf(yyout," -- Sens Up Fix - On, Equivalent\n");
279 "00219F0:0022B10e" ECHO; fprintf(yyout," -- Sens Up Fix - Off, Equivalent\n");
280 "00219F0:0022B20e" ECHO; fprintf(yyout," -- Sens Up Fix - Inc, Equivalent\n");
281 "00219F0:0022B30e" ECHO; fprintf(yyout," -- Sens Up Fix - Dec, Equivalent\n");
282 "00219F0:0022B40e" ECHO; fprintf(yyout," -- Sens Up Auto On, Equivalent\n");

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283 "00219F0:0022B50e" ECHO; fprintf(yyout," -- Sens Up Auto Off, Equivalent\n");
284 "00219F0:0022B60e" ECHO; fprintf(yyout," -- Sens Up Auto Inc, Equivalent\n");
285 "00219F0:0022B70e" ECHO; fprintf(yyout," -- Sens Up Auto Dec, Equivalent\n");
286 "00219F0:0022B80e" ECHO; fprintf(yyout," -- LL Phase Inc, Equivalent\n");
287 "00219F0:0022B90e" ECHO; fprintf(yyout," -- LL Phase Dec, Equivalent\n");
288 "00219F0:0022BA0e" ECHO; fprintf(yyout," -- 180 Deg Pan Turn, Equivalent\n");
289 "00219F0:0022BB0e" ECHO; fprintf(yyout," -- Cleaning On (menu), Equivalent\n");
290 "00219F0:0022BC0e" ECHO; fprintf(yyout," -- Cleaning Off (menu), Equivalent\n");
291 "00219F0:0022BD0e" ECHO; fprintf(yyout," -- BW Duration Time 10s, Equivalent\n");
292 "00219F0:0022BE0e" ECHO; fprintf(yyout," -- BW Duration Time 30s, Equivalent\n");
293 "00219F0:0022BF0e" ECHO; fprintf(yyout," -- BW Duration Time 60s, Equivalent\n");
294 "00219F0:0022C00e" ECHO; fprintf(yyout," -- BW Duration Time 300s, Equivalent\n");
295 "00219F0:0022C10e" ECHO; fprintf(yyout," -- Patrol 2 Play, Equivalent\n");
296 "00219F0:0022C20e" ECHO; fprintf(yyout," -- Patrol 3 Play, Equivalent\n");
297 "00219F0:0022C30e" ECHO; fprintf(yyout," -- Patrol 4 Play, Equivalent\n");
298 "00219F0:0022C40e" ECHO; fprintf(yyout," -- Patrol 2 Learn, Equivalent\n");
299 "00219F0:0022C50e" ECHO; fprintf(yyout," -- Patrol 3 Learn, Equivalent\n");
300 "00219F0:0022C60e" ECHO; fprintf(yyout," -- Patrol 4 Learn, Equivalent\n");
301 "00219F0:0022C70e" ECHO; fprintf(yyout," -- Auto Tracking, Equivalent\n");
302 "00219F0:0022C80e" ECHO; fprintf(yyout," -- Stabilizer On, Equivalent\n");
303 "00219F0:0022C90e" ECHO; fprintf(yyout," -- Stabilizer Off, Equivalent\n");
304 "00219F0:0022CA0e" ECHO; fprintf(yyout," -- PTZ Position Display On, Equivalent\n");
305 "00219F0:0022CB0e" ECHO; fprintf(yyout," -- PTZ Position Display Off, Equivalent\n");
306
307 "0021A06e" ECHO; fprintf(yyout," -- Auto Focus On.or.One Shot Auto Focus On\n");
308 "0021A18e" ECHO; fprintf(yyout," -- Auto Focus Area (small)\n");
309 "0021A19e" ECHO; fprintf(yyout," -- Auto Focus Area (middle)\n");
310 "0021A1Ae" ECHO; fprintf(yyout," -- Auto Focus Area (large)\n");
311 "0021A20e" ECHO; fprintf(yyout," -- Auto Focus Area Small, Answer\n");
312 "0021A21e" ECHO; fprintf(yyout," -- Auto Focus Area Middle, Answer\n");
313 "0021A22e" ECHO; fprintf(yyout," -- Auto Focus Area Large, Answer\n");
314
315 "00230"[0-9A-F]{2}"e" ECHO; fprintf(yyout," -- Device ID code, 1x yz\n");
316
317 "002E002e" ECHO; fprintf(yyout," -- Iris (camera) Open, Answer\n");
318 "002E003e" ECHO; fprintf(yyout," -- Iris (camera) Close, Answer\n");
319 "002E004e" ECHO; fprintf(yyout," -- Iris (camera) Stop, Answer\n");
320 "002E005e" ECHO; fprintf(yyout," -- Iris (camera) Reset, Answer\n");
321 "002E032e" ECHO; fprintf(yyout," -- ALC On, Answer\n");
322 "002E033e" ECHO; fprintf(yyout," -- ELC On, Answer\n");
323 "002E034e" ECHO; fprintf(yyout," -- Manual Iris On, Answer\n");
324 "002E040e" ECHO; fprintf(yyout," -- BW On, Answer\n");
325 "002E041e" ECHO; fprintf(yyout," -- BW Off, Answer\n");
326 "002E042e" ECHO; fprintf(yyout," -- BW Auto, Answer\n");
327 "002E050e" ECHO; fprintf(yyout," -- BW Burst On, Answer\n");
328 "002E051e" ECHO; fprintf(yyout," -- BW Burst Off, Answer\n");
329 "002E100e" ECHO; fprintf(yyout," -- Shutter On, Answer\n");
330 "002E101e" ECHO; fprintf(yyout," -- Shutter Off, Answer\n");
331 "002E102e" ECHO; fprintf(yyout," -- Shutter Inc, Answer\n");
332 "002E103e" ECHO; fprintf(yyout," -- Shutter Dec, Answer\n");
333 "002E107e" ECHO; fprintf(yyout," -- Shutter Auto, Answer\n");
334 "002E109e" ECHO; fprintf(yyout," -- Shutter 1/100, Answer\n");
335 "002E10Ce" ECHO; fprintf(yyout," -- Shutter 1/250, Answer\n");
336 "002E10De" ECHO; fprintf(yyout," -- Shutter 1/500, Answer\n");
337 "002E10Ee" ECHO; fprintf(yyout," -- Shutter 1/1000, Answer\n");
338 "002E10Fe" ECHO; fprintf(yyout," -- Shutter 1/2000, Answer\n");
339 "002E119e" ECHO; fprintf(yyout," -- Shutter 1/4000, Answer\n");
340 "002E11Ae" ECHO; fprintf(yyout," -- Shutter 1/10000, Answer\n");
341 "002E120e" ECHO; fprintf(yyout," -- Sens Up Auto On, Answer\n");
342 "002E121e" ECHO; fprintf(yyout," -- Sens Up Auto Off, Answer\n");
343 "002E122e" ECHO; fprintf(yyout," -- Sens Up Auto Inc, Answer\n");
344 "002E123e" ECHO; fprintf(yyout," -- Sens Up Auto Dec, Answer\n");
345 "002E150e" ECHO; fprintf(yyout," -- Sens Up Manual On, Answer\n");
346 "002E151e" ECHO; fprintf(yyout," -- Sens Up Manual Off, Answer\n");
347 "002E152e" ECHO; fprintf(yyout," -- Sens Up Manual Inc, Answer\n");
348 "002E153e" ECHO; fprintf(yyout," -- Sens Up Manual Dec, Answer\n");
349 "002E200e" ECHO; fprintf(yyout," -- AGC On, Answer\n");
350 "002E201e" ECHO; fprintf(yyout," -- AGC Off, Answer\n");
351 "002E208e" ECHO; fprintf(yyout," -- AGC Gain Up Low, Answer\n");
352 "002E209e" ECHO; fprintf(yyout," -- AGC Gain Up Mid, Answer\n");
353 "002E20Ae" ECHO; fprintf(yyout," -- AGC Gain Up High, Answer\n");
354 "002E228e" ECHO; fprintf(yyout," -- Manual Gain Up Low, Answer\n");

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355 "002E229e" ECHO; fprintf(yyout," -- Manual Gain Up Mid, Answer\n");
356 "002E22Ae" ECHO; fprintf(yyout," -- Manual Gain Up High, Answer\n");
357 "002E2A2e" ECHO; fprintf(yyout," -- BLC Mode Auto, Answer\n");
358 "002E2A3e" ECHO; fprintf(yyout," -- BLC Mode Preset, Answer\n");
359 "002E2B0e" ECHO; fprintf(yyout," -- BLC Set Up [start], Answer\n");
360 "002E2B1e" ECHO; fprintf(yyout," -- BLC Set Up [end], Answer\n");
361 "002E2C0e" ECHO; fprintf(yyout," -- BLC Set Up [mask on], Answer\n");
362 "002E2C1e" ECHO; fprintf(yyout," -- BLC Set Up [mask off], Answer\n");
363 "002E2C2e" ECHO; fprintf(yyout," -- BLC Set Up [mask clear], Answer\n");
364 "002E2C3e" ECHO; fprintf(yyout," -- BLC Set Up [mask reverse], Answer\n");
365 "002E2C8e" ECHO; fprintf(yyout," -- BLC Set Up [cursor up], Answer\n");
366 "002E2C9e" ECHO; fprintf(yyout," -- BLC Set Up [cursor right], Answer\n");
367 "002E2CAe" ECHO; fprintf(yyout," -- BLC Set Up [cursor down], Answer\n");
368 "002E2CBe" ECHO; fprintf(yyout," -- BLC Set Up [cursor left], Answer\n");
369 "002E300e" ECHO; fprintf(yyout," -- AWC On, Answer.or.AWC Set Up, Answer\n");
370 "002E305e" ECHO; fprintf(yyout," -- AWC Reset, Answer\n");
371 "002E306e" ECHO; fprintf(yyout," -- AWC Start, Answer\n");
372 "002E312e" ECHO; fprintf(yyout," -- R Offset Up, Answer\n");
373 "002E313e" ECHO; fprintf(yyout," -- R Offset Down, Answer\n");
374 "002E314e" ECHO; fprintf(yyout," -- R Offset Stop, Answer\n");
375 "002E315e" ECHO; fprintf(yyout," -- R Offset Reset, Answer\n");
376 "002E316e" ECHO; fprintf(yyout," -- B Offset Up, Answer\n");
377 "002E317e" ECHO; fprintf(yyout," -- B Offset Down, Answer\n");
378 "002E318e" ECHO; fprintf(yyout," -- B Offset Stop, Answer\n");
379 "002E319e" ECHO; fprintf(yyout," -- B Offset Reset, Answer\n");
380 "002E382e" ECHO; fprintf(yyout," -- Burst Phase Up, Answer\n");
381 "002E383e" ECHO; fprintf(yyout," -- Burst Phase Down, Answer\n");
382 "002E384e" ECHO; fprintf(yyout," -- Burst Phase Stop, Answer\n");
383 "002E385e" ECHO; fprintf(yyout," -- Burst Phase Reset, Answer\n");
384 "002E452e" ECHO; fprintf(yyout," -- Line Lock On, Answer\n");
385 "002E453e" ECHO; fprintf(yyout," -- Line Lock Off(int), Answer\n");
386 "002E454e" ECHO; fprintf(yyout," -- LL Phase Up, Answer\n");
387 "002E455e" ECHO; fprintf(yyout," -- LL Phase Down, Answer\n");
388 "002E456e" ECHO; fprintf(yyout," -- LL Phase Stop, Answer\n");
389 "002E560e" ECHO; fprintf(yyout," -- EL-Zoom On, Answer\n");
390 "002E561e" ECHO; fprintf(yyout," -- EL-Zoom Off, Answer\n");
391 "002E640e" ECHO; fprintf(yyout," -- Privacy Zone On, Answer\n");
392 "002E641e" ECHO; fprintf(yyout," -- Privacy Zone Off, Answer\n");
393 "002E642e" ECHO; fprintf(yyout," -- Privacy zone(2) On, Answer\n");
394 "002E690e" ECHO; fprintf(yyout," -- Motion Detect On, Answer\n");
395 "002E691e" ECHO; fprintf(yyout," -- Motion Detect Off, Answer\n");
396 "002E696e" ECHO; fprintf(yyout," -- Scene Change Detection Motion Detect Mode 2 On, Answer\n");
397 "002E6A8e" ECHO; fprintf(yyout," -- DNR Low, Answer\n");
398 "002E6AAe" ECHO; fprintf(yyout," -- DNR High, Answer\n");
399 "002E6B0e" ECHO; fprintf(yyout," -- D-Range On, Answer\n");
400 "002E6B1e" ECHO; fprintf(yyout," -- D-Range Off, Answer\n");
401 "002E6F0e" ECHO; fprintf(yyout," -- Stabilizer On, Answer\n");
402 "002E6F1e" ECHO; fprintf(yyout," -- Stabilizer Off, Answer\n");
403 "002E760e" ECHO; fprintf(yyout," -- All Reset, Answer\n");
404 "002E761e" ECHO; fprintf(yyout," -- Re-Set, Answer.or.Restart, Answer\n");
405 "002E7C0e" ECHO; fprintf(yyout," -- Resolution Normal, Answer\n");
406 "002E7C1e" ECHO; fprintf(yyout," -- Resolution High, Answer\n");
407 "002E940e" ECHO; fprintf(yyout," -- Set Up Menu On, Answer\n");
408 "002E941e" ECHO; fprintf(yyout," -- Set Up Menu Off, Answer\n");
409 "002E942e" ECHO; fprintf(yyout," -- Set Up Menu [cursor up], Answer\n");
410 "002E943e" ECHO; fprintf(yyout," -- Set Up Menu [cursor right], Answer\n");
411 "002E944e" ECHO; fprintf(yyout," -- Set Up Menu [cursor down], Answer\n");
412 "002E945e" ECHO; fprintf(yyout," -- Set Up Menu [cursor left], Answer\n");
413 "002E946e" ECHO; fprintf(yyout," -- Select Area Fast Up, Answer\n");
414 "002E947e" ECHO; fprintf(yyout," -- Select Area Fast Right, Answer\n");
415 "002E948e" ECHO; fprintf(yyout," -- Select Area Fast Down, Answer\n");
416 "002E949e" ECHO; fprintf(yyout," -- Select Area Fast Left, Answer\n");
417 "002E94Ae" ECHO; fprintf(yyout," -- Set Up Menu Set 1, Answer\n");
418 "002E94Be" ECHO; fprintf(yyout," -- Set Up Menu Set 2, Answer\n");
419 "002E94Ce" ECHO; fprintf(yyout," -- Set Up Menu SW (reset), Answer.or.Special menu Button Pressed Left + Right (F2),
Answer\n");
420 "002E94De" ECHO; fprintf(yyout," -- Camera resetButton Pressed Left + Center + Right (F3), Answer.or.Set Up Menu SW (all
reset), Answer\n");
421 "002E94Ee" ECHO; fprintf(yyout," -- Set Up Special Menu, Answer\n");
422 "002E94Fe" ECHO; fprintf(yyout," -- Set Up Menu [cursor stop], Answer\n");
423 "002E9A0e" ECHO; fprintf(yyout," -- Digital Flip On, Answer\n");
424 "002E9A1e" ECHO; fprintf(yyout," -- Digital Flip Off, Answer\n");

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425 "002E9C0e" ECHO; fprintf(yyout," -- Menu On, Answer\n");
426 "002E9C1e" ECHO; fprintf(yyout," -- Menu Off, Answer\n");
427 "002E9C8e" ECHO; fprintf(yyout," -- Area Title 1 Set, Answer\n");
428 "002E9C9e" ECHO; fprintf(yyout," -- Area Title 2 Set, Answer\n");
429 "002E9CAe" ECHO; fprintf(yyout," -- Area Title 3 Set, Answer\n");
430 "002E9CBe" ECHO; fprintf(yyout," -- Area Title 4 Set, Answer\n");
431 "002E9CCe" ECHO; fprintf(yyout," -- Area Title 5 Set, Answer\n");
432 "002E9CDe" ECHO; fprintf(yyout," -- Area Title 6 Set, Answer\n");
433 "002E9CEe" ECHO; fprintf(yyout," -- Area Title 7 Set, Answer\n");
434 "002E9CFe" ECHO; fprintf(yyout," -- Area Title 8 Set, Answer\n");
435 "002E9D0e" ECHO; fprintf(yyout," -- Area Title Default On, Answer\n");
436 "002E9D1e" ECHO; fprintf(yyout," -- Area Title Off, Answer\n");
437 "002E9E0e" ECHO; fprintf(yyout," -- Area Title 1 Read Start, Answer\n");
438 "002E9E1e" ECHO; fprintf(yyout," -- Area Title 1 Write Start, Answer\n");
439 "002E9E2e" ECHO; fprintf(yyout," -- Area Title 2 Read Start, Answer\n");
440 "002E9E3e" ECHO; fprintf(yyout," -- Area Title 2 Write Start, Answer\n");
441 "002E9E4e" ECHO; fprintf(yyout," -- Area Title 3 Read Start, Answer\n");
442 "002E9E5e" ECHO; fprintf(yyout," -- Area Title 3 Write Start, Answer\n");
443 "002E9E6e" ECHO; fprintf(yyout," -- Area Title 4 Read Start, Answer\n");
444 "002E9E7e" ECHO; fprintf(yyout," -- Area Title 4 Write Start, Answer\n");
445 "002E9E8e" ECHO; fprintf(yyout," -- Area Title 5 Read Start, Answer\n");
446 "002E9E9e" ECHO; fprintf(yyout," -- Area Title 5 Write Start, Answer\n");
447 "002E9EAe" ECHO; fprintf(yyout," -- Area Title 6 Read Start, Answer\n");
448 "002E9EBe" ECHO; fprintf(yyout," -- Area Title 6 Write Start, Answer\n");
449 "002E9ECe" ECHO; fprintf(yyout," -- Area Title 7 Read Start, Answer\n");
450 "002E9EDe" ECHO; fprintf(yyout," -- Area Title 7 Write Start, Answer\n");
451 "002E9EEe" ECHO; fprintf(yyout," -- Area Title 8 Read Start, Answer\n");
452 "002E9EFe" ECHO; fprintf(yyout," -- Area Title 8 Write Start, Answer\n");
453 "002E9F0e" ECHO; fprintf(yyout," -- Function Request, Answer\n");
454 "002EA06e" ECHO; fprintf(yyout," -- Auto Focus On, Answer.or.One Shot Auto Focus On, Answer\n");
455 "002EA18e" ECHO; fprintf(yyout," -- Auto Focus Area (small), Answer\n");
456 "002EA19e" ECHO; fprintf(yyout," -- Auto Focus Area (middle), Answer\n");
457 "002EA1Ae" ECHO; fprintf(yyout," -- Auto Focus Area (large), Answer\n");
458
459 "2020000e" ECHO; fprintf(yyout," -- Camera Status Request\n");
460 "2020001e" ECHO; fprintf(yyout," -- Auto Pan, Camera Power and Wiper are Off, Defroster is On\n");
461 "2020002e" ECHO; fprintf(yyout," -- Auto Pan, Camera Power and Defroster are Off, Wiper is On\n");
462 "2020003e" ECHO; fprintf(yyout," -- Auto Pan and Camera Power are Off, Defroster and Wiper are On\n");
463 "2020004e" ECHO; fprintf(yyout," -- Auto Pan, Defroster and Wiper are Off, Camera is On\n");
464 "2020005e" ECHO; fprintf(yyout," -- Auto Pan and Wiper are Off, Camera Power and Defroster are On\n");
465 "2020006e" ECHO; fprintf(yyout," -- Auto Pan, Camera Power and Wiper are Off, Defroster is On\n");
466 "2020007e" ECHO; fprintf(yyout," -- Auto Pan is Off Camera Power, Defroster and Wiper are On\n");
467 "2020010e" ECHO; fprintf(yyout," -- Auto Pan is On, Camera Power, Defroster and Wiper are Off\n");
468 "2020011e" ECHO; fprintf(yyout," -- Auto Pan and Defroster are On, Camera Power and Wiper are Off\n");
469 "2020012e" ECHO; fprintf(yyout," -- Auto Pan and Wiper are On, Camera Power and Defroster are Off\n");
470 "2020013e" ECHO; fprintf(yyout," -- Auto Pan, Defroster and Wiper are On, Camera Power is Off\n");
471 "2020014e" ECHO; fprintf(yyout," -- Auto Pan, Camera Power are On, Defroster and Wiper are Off\n");
472 "2020015e" ECHO; fprintf(yyout," -- Auto Pan, Camera Power and Defroster are On, Wiper is Off\n");
473 "2020016e" ECHO; fprintf(yyout," -- Auto Pan, Camera Power and Wiper are On, Defroster is Off\n");
474 "2020017e" ECHO; fprintf(yyout," -- Auto Pan, Camera Power, Defroster and Wiper are On\n");
475
476 "20202"[0-9A-F]{2}"e" ECHO; fprintf(yyout," -- Aux Mode/type, 20202ms m = mode latch/momentary, s = status on/off\n");
477
478 "2020020e" ECHO; fprintf(yyout," -- Camera AUX Status Request\n");
479 "2020030e" ECHO; fprintf(yyout," -- Undocumented, Answer\n");
480
481 "2020100e" ECHO; fprintf(yyout," -- Wiper Request\n");
482 "2020102e" ECHO; fprintf(yyout," -- Def Request\n");
483 "2020110e" ECHO; fprintf(yyout," -- AUX 1/2 Request\n");
484 "2020118e" ECHO; fprintf(yyout," -- AUX 1/2 Mode Request\n");
485 "2020120e" ECHO; fprintf(yyout," -- Camera Power Request\n");
486 "2020130e" ECHO; fprintf(yyout," -- Random Pan Request\n");
487 "2020132e" ECHO; fprintf(yyout," -- Auto Pan Request\n");
488 "2020136e" ECHO; fprintf(yyout," -- Pan/Tilt Variable Request .or. Are 8 speeds available\n");
489 "2020137e" ECHO; fprintf(yyout," -- One way commands Request .or. Are 16 speeds available\n");
490 "2020138e" ECHO; fprintf(yyout," -- Auto Pan Endless Request\n");
491 "2020146e" ECHO; fprintf(yyout," -- Preset Mode Request\n");
492 "2020150e" ECHO; fprintf(yyout," -- 256 step PT Unit Request\n");
493 "2021000e" ECHO; fprintf(yyout," -- Undocumented command.or.Wiper On\n");
494 "2021001e" ECHO; fprintf(yyout," -- Wiper Off\n");
495 "2021010e" ECHO; fprintf(yyout," -- Undocumented, Answer\n");
496 "2021020e" ECHO; fprintf(yyout," -- Def On\n");

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497 "2021021e" ECHO; fprintf(yyout," -- Def Off\n");
498 "2021100e" ECHO; fprintf(yyout," -- AUX1:On/AUX2:On .or. AUX1:Momentary, AUX2:Momentary\n");
499 "2021101e" ECHO; fprintf(yyout," -- AUX1:Latch, AUX2:Momentary\n");
500 "2021102e" ECHO; fprintf(yyout," -- AUX1:Off/AUX2:On .or. AUX1:Momentary, AUX2:Latch\n");
501 "2021103e" ECHO; fprintf(yyout," -- AUX1:Latch, AUX2:Latch\n");
502 "2021108e" ECHO; fprintf(yyout," -- AUX1:On/AUX2:Off\n");
503 "202110Ae" ECHO; fprintf(yyout," -- AUX1:Off/AUX2:Off\n");
504 "2021130e" ECHO; fprintf(yyout," -- AUX All On\n");
505 "2021131e" ECHO; fprintf(yyout," -- AUX All Off\n");
506 "2021160e" ECHO; fprintf(yyout," -- AUX 1 On\n");
507 "2021161e" ECHO; fprintf(yyout," -- AUX 1 Off\n");
508 "2021162e" ECHO; fprintf(yyout," -- AUX 2 On\n");
509 "2021163e" ECHO; fprintf(yyout," -- AUX 2 Off\n");
510 "2021180e" ECHO; fprintf(yyout," -- AUX 1 Momentary.or.AUX 1/2 Mode AUX1: Mometary/AUX2: Mometary\n");
511 "2021181e" ECHO; fprintf(yyout," -- AUX 1 Latch.or.AUX 1/2 Mode AUX1: Latch/AUX2: Mometary\n");
512 "2021182e" ECHO; fprintf(yyout," -- AUX 1/2 Mode AUX1: Mometary/AUX2: Latch.or.AUX 2 Momentary\n");
513 "2021183e" ECHO; fprintf(yyout," -- AUX 1/2 Mode AUX1: Latch/AUX2: Latch.or.AUX 2 Latch\n");
514 "2021200e" ECHO; fprintf(yyout," -- Camera Power On\n");
515 "2021201e" ECHO; fprintf(yyout," -- Camera Power Off\n");
516
517 "2021224e" ECHO; fprintf(yyout," -- Zoom [stop(f)] + Focus [stop(f)]\n");
518 "2021228e" ECHO; fprintf(yyout," -- Zoom [tele(f)]\n");
519 "2021229e" ECHO; fprintf(yyout," -- Zoom [tele(f)] + Focus [far(f)]\n");
520 "202122Ae" ECHO; fprintf(yyout," -- Focus [far(f)]\n");
521 "202122Be" ECHO; fprintf(yyout," -- Zoom [wide(f)] + Focus [far(f)]\n");
522 "202122Ce" ECHO; fprintf(yyout," -- Zoom [wide(f)]\n");
523 "202122De" ECHO; fprintf(yyout," -- Zoom [wide(f)] + Focus [near(f)]\n");
524 "202122Ee" ECHO; fprintf(yyout," -- Focus [near(f)]\n");
525 "202122Fe" ECHO; fprintf(yyout," -- Zoom [tele(f)] + Focus [near(f)]\n");
526
527 "2021264e" ECHO; fprintf(yyout," -- Zoom [stop(v)] + Focus [stop(v)]\n");
528 "2021268e" ECHO; fprintf(yyout," -- Zoom [tele(v)]\n");
529 "2021269e" ECHO; fprintf(yyout," -- Zoom [tele(v)] + Focus [far(v)]\n");
530 "202126Ae" ECHO; fprintf(yyout," -- Focus [far(v)]\n");
531 "202126Be" ECHO; fprintf(yyout," -- Zoom [wide(v)] + Focus [far(v)]\n");
532 "202126Ce" ECHO; fprintf(yyout," -- Zoom [wide(v)]\n");
533 "202126De" ECHO; fprintf(yyout," -- Zoom [wide(v)] + Focus [near(v)]\n");
534 "202126Ee" ECHO; fprintf(yyout," -- Focus [near(v)]\n");
535 "202126Fe" ECHO; fprintf(yyout," -- Zoom [wide(v)] + Focus [near(v)]\n");
536
537 "2021272e" ECHO; fprintf(yyout," -- Zoom Limit Inc\n");
538 "2021273e" ECHO; fprintf(yyout," -- Zoom Limit Dec\n");
539 "2021300e" ECHO; fprintf(yyout," -- Auto Pan On.or.Random Pan On\n");
540 "2021301e" ECHO; fprintf(yyout," -- Auto Pan Off.or.Random Pan Off\n");
541 "2021305e" ECHO; fprintf(yyout," -- Auto Pan Reverse\n");
542 "2021306e" ECHO; fprintf(yyout," -- Auto Pan Left End Set\n");
543 "2021307e" ECHO; fprintf(yyout," -- Auto Pan Right End Set\n");
544 "2021308e" ECHO; fprintf(yyout," -- Auto Pan Speed Inc\n");
545 "2021309e" ECHO; fprintf(yyout," -- Auto Pan Speed Dec\n");
546 "202130Ee" ECHO; fprintf(yyout," -- Auto Pan EndLess On\n");
547 "202130Fe" ECHO; fprintf(yyout," -- Auto Pan EndLess Off\n");
548 "2021320e" ECHO; fprintf(yyout," -- Auto Pan On\n");
549 "2021321e" ECHO; fprintf(yyout," -- Auto Pan Off\n");
550
551 "2021324e" ECHO; fprintf(yyout," -- Pan [stop(f)] + Tilt [stop(f)]\n");
552 "2021328e" ECHO; fprintf(yyout," -- Pan [left(f)]\n");
553 "2021329e" ECHO; fprintf(yyout," -- Pan [left(f)] + Tilt [up(f)]\n");
554 "202132Ae" ECHO; fprintf(yyout," -- Tilt [up(f)]\n");
555 "202132Be" ECHO; fprintf(yyout," -- Pan [right(f)] + Tilt [up(f)]\n");
556 "202132Ce" ECHO; fprintf(yyout," -- Pan [right(f)]\n");
557 "202132De" ECHO; fprintf(yyout," -- Pan [right(f)] + Tilt [down(f)]\n");
558 "202132Ee" ECHO; fprintf(yyout," -- Tilt [down(f)]\n");
559 "202132Fe" ECHO; fprintf(yyout," -- Pan [left(f)] + Tilt [down(f)]\n");
560
561 "2021334e" ECHO; fprintf(yyout," -- Pan [stop(f)] + Tilt [stop(s)]\n");
562 "2021338e" ECHO; fprintf(yyout," -- Pan [left(f)]\n");
563 "2021339e" ECHO; fprintf(yyout," -- Pan [left(f)] + Tilt [up(s)]\n");
564 "202133Ae" ECHO; fprintf(yyout," -- Tilt [up(s)]\n");
565 "202133Be" ECHO; fprintf(yyout," -- Pan [right(f)] + Tilt [up(s)]\n");
566 "202133Ce" ECHO; fprintf(yyout," -- Pan [right(f)]\n");
567 "202133De" ECHO; fprintf(yyout," -- Pan [right(f)] + Tilt [down(s)]\n");
568 "202133Ee" ECHO; fprintf(yyout," -- Tilt [down(s)]\n");

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569 "202133Fe" ECHO; fprintf(yyout," -- Pan [left(f)] + Tilt [down(s)]\n");
570
571 "2021344e" ECHO; fprintf(yyout," -- Pan [stop(s)] + Tilt [stop(f)]\n");
572 "2021348e" ECHO; fprintf(yyout," -- Pan [left(s)]\n");
573 "2021349e" ECHO; fprintf(yyout," -- Pan [left(s)] + Tilt [up(f)]\n");
574 "202134Ae" ECHO; fprintf(yyout," -- Tilt [up(f)]\n");
575 "202134Be" ECHO; fprintf(yyout," -- Pan [right(s)] + Tilt [up(f)]\n");
576 "202134Ce" ECHO; fprintf(yyout," -- Pan [right(s)]\n");
577 "202134De" ECHO; fprintf(yyout," -- Pan [right(s)] + Tilt [down(f)]\n");
578 "202134Ee" ECHO; fprintf(yyout," -- Tilt [down(f)]\n");
579 "202134Fe" ECHO; fprintf(yyout," -- Pan [left(s)] + Tilt [down(f)]\n");
580
581 "2021354e" ECHO; fprintf(yyout," -- Pan [stop(s)] + Tilt [stop(s)]\n");
582 "2021358e" ECHO; fprintf(yyout," -- Pan [left(s)]\n");
583 "2021359e" ECHO; fprintf(yyout," -- Pan [left(s)] + Tilt [up(s)]\n");
584 "202135Ae" ECHO; fprintf(yyout," -- Tilt [up(s)]\n");
585 "202135Be" ECHO; fprintf(yyout," -- Pan [right(s)] + Tilt [up(s)]\n");
586 "202135Ce" ECHO; fprintf(yyout," -- Pan [right(s)]\n");
587 "202135De" ECHO; fprintf(yyout," -- Pan [right(s)] + Tilt [down(s)]\n");
588 "202135Ee" ECHO; fprintf(yyout," -- Tilt [down(s)]\n");
589 "202135Fe" ECHO; fprintf(yyout," -- Pan [left(s)] + Tilt [down(s)]\n");
590
591 "2021360e" ECHO; fprintf(yyout," -- Pan/Tilt Variable Available .or. 8 Speeds are available\n");
592 "2021361e" ECHO; fprintf(yyout," -- Pan/Tilt Variable Not Available .or. 8 Speeds are not available\n");
593 "2021364e" ECHO; fprintf(yyout," -- Pan [stop(v)] + Tilt [stop(v)]\n");
594 "2021368e" ECHO; fprintf(yyout," -- Pan [left(v)]\n");
595 "2021369e" ECHO; fprintf(yyout," -- Pan [left(v)] + Tilt [up(v)]\n");
596 "202136Ae" ECHO; fprintf(yyout," -- Tilt [up(v)]\n");
597 "202136Be" ECHO; fprintf(yyout," -- Pan [right(v)] + Tilt [up(v)]\n");
598 "202136Ce" ECHO; fprintf(yyout," -- Pan [right(v)]\n");
599 "202136De" ECHO; fprintf(yyout," -- Pan [right(v)] + Tilt [down(v)]\n");
600 "202136Ee" ECHO; fprintf(yyout," -- Tilt [down(v)]\n");
601 "202136Fe" ECHO; fprintf(yyout," -- Pan [left(v)] + Tilt [down(v)]\n");
602
603 "2021370e" ECHO; fprintf(yyout," -- One way commands Available .or. 16 Speeds are supported\n");
604 "2021371e" ECHO; fprintf(yyout," -- One way commands Not Available .or 16 Speeds are not supported\n");
605 "2021380e" ECHO; fprintf(yyout," -- Auto Pan Endless On\n");
606 "2021381e" ECHO; fprintf(yyout," -- Auto Pan Endless Off\n");
607 "2021390e" ECHO; fprintf(yyout," -- Auto Pan Key: Auto Pan\n");
608 "2021391e" ECHO; fprintf(yyout," -- Auto Pan Key: Seq\n");
609 "2021392e" ECHO; fprintf(yyout," -- Auto Pan Key: Sort\n");
610 "2021393e" ECHO; fprintf(yyout," -- Auto Pan Key: Patrol 1\n");
611 "2021394e" ECHO; fprintf(yyout," -- Auto Pan Key: Patrol 2\n");
612 "2021395e" ECHO; fprintf(yyout," -- Auto Pan Key: Patrol 3\n");
613 "2021396e" ECHO; fprintf(yyout," -- Auto Pan Key: Patrol 4\n");
614 "2021397e" ECHO; fprintf(yyout," -- Auto Pan Key: Auto Tracking\n");
615 "20213A0e" ECHO; fprintf(yyout," -- Propo Pan/Tilt On\n");
616 "20213A1e" ECHO; fprintf(yyout," -- Propo Pan/Tilt Off\n");
617 "20213B0e" ECHO; fprintf(yyout," -- Self Return On\n");
618 "20213B1e" ECHO; fprintf(yyout," -- Self Return Off\n");
619 "20213B2e" ECHO; fprintf(yyout," -- Self Retrun Time Inc\n");
620 "20213B3e" ECHO; fprintf(yyout," -- Self Return Time Dec\n");
621 "20213B4e" ECHO; fprintf(yyout," -- Self Return Mode: Auto Tracking\n");
622 "20213B5e" ECHO; fprintf(yyout," -- Self Return Mode: Patrol 2\n");
623 "20213B6e" ECHO; fprintf(yyout," -- Self Return Mode: Patrol 3\n");
624 "20213B7e" ECHO; fprintf(yyout," -- Self Return Mode: Patrol 4\n");
625 "20213B8e" ECHO; fprintf(yyout," -- Self Return Mode: Off\n");
626 "20213B9e" ECHO; fprintf(yyout," -- Self Return Mode: Auto\n");
627 "20213BAe" ECHO; fprintf(yyout," -- Self Return Mode: Home-Posi\n");
628 "20213BBe" ECHO; fprintf(yyout," -- Self Return Mode: AutoPan\n");
629 "20213Bce" ECHO; fprintf(yyout," -- Self Return Mode: Seq\n");
630 "20213BDe" ECHO; fprintf(yyout," -- Self Return Mode: Sort\n");
631 "20213BEe" ECHO; fprintf(yyout," -- Self Return Mode: Patrol 1\n");
632 "20213C0e" ECHO; fprintf(yyout," -- Pan Limit On\n");
633 "20213C1e" ECHO; fprintf(yyout," -- Pan Limit Off\n");
634 "20213D1e" ECHO; fprintf(yyout," -- 180 Deg Turn\n");
635 "2021400e" ECHO; fprintf(yyout," -- Preset Position Call.or.Preset Position Request\n");
636 "2021410e" ECHO; fprintf(yyout," -- Home Position Call\n");
637 "2021431e" ECHO; fprintf(yyout," -- Preset Mode [off].or.Preset Seq [off]\n");
638 "2021437e" ECHO; fprintf(yyout," -- Preset Mode [seq on]\n");
639 "2021438e" ECHO; fprintf(yyout," -- Preset Mode [sort on]\n");
640 "2021461e" ECHO; fprintf(yyout," -- Preset Mode Off\n");

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641 "2021467e" ECHO; fprintf(yyout," -- Preset Mode Seq\n");
642 "2021468e" ECHO; fprintf(yyout," -- Preset Mode Sort\n");
643 "2021480e" ECHO; fprintf(yyout," -- Patrol Setting Number: 1\n");
644 "2021481e" ECHO; fprintf(yyout," -- Patrol Setting Number: 2\n");
645 "2021482e" ECHO; fprintf(yyout," -- Patrol Setting Number: 4\n");
646 "2021488e" ECHO; fprintf(yyout," -- Patrol 1(S) Play\n");
647 "2021489e" ECHO; fprintf(yyout," -- Patrol 2(S) Play\n");
648 "202148Ae" ECHO; fprintf(yyout," -- Patrol 3(S) Play\n");
649 "202148Be" ECHO; fprintf(yyout," -- Patrol 4(S) Play\n");
650 "2021490e" ECHO; fprintf(yyout," -- Patrol Play\n");
651 "2021491e" ECHO; fprintf(yyout," -- Patrol Stop\n");
652 "2021494e" ECHO; fprintf(yyout," -- Patrol Learn\n");
653 "2021495e" ECHO; fprintf(yyout," -- Patrol 2 Play\n");
654 "2021496e" ECHO; fprintf(yyout," -- Patrol 3 Play\n");
655 "2021497e" ECHO; fprintf(yyout," -- Patrol 4 Play\n");
656 "2021498e" ECHO; fprintf(yyout," -- Patrol 2 Learn\n");
657 "2021499e" ECHO; fprintf(yyout," -- Patrol 3 Learn\n");
658 "202149Ae" ECHO; fprintf(yyout," -- Patrol 4 Learn\n");
659 "202149Be" ECHO; fprintf(yyout," -- Patrol 1 Del\n");
660 "202149Ce" ECHO; fprintf(yyout," -- Patrol 2 Del\n");
661 "202149De" ECHO; fprintf(yyout," -- Patrol 3 Del\n");
662 "202149Ee" ECHO; fprintf(yyout," -- Patrol 4 Del\n");
663 "20214E0e" ECHO; fprintf(yyout," -- Image Hold On\n");
664 "20214E1e" ECHO; fprintf(yyout," -- Image Hold Off\n");
665 "2021500e" ECHO; fprintf(yyout," -- 256 step PT is supported\n");
666 "2021501e" ECHO; fprintf(yyout," -- 256 step PT is not supported\n");
667 "2021540e" ECHO; fprintf(yyout," -- Preset Position Mode [start]\n");
668 "2021542e" ECHO; fprintf(yyout," -- Preset Position Mode [set]\n");
669 "2021543e" ECHO; fprintf(yyout," -- Preset Position Mode [end]\n");
670 "2021547e" ECHO; fprintf(yyout," -- Preset Position Mode [ID all clear]\n");
671
672 "2021600e" ECHO; fprintf(yyout," -- Alarm In 1 Off\n");
673 "2021601e" ECHO; fprintf(yyout," -- Alarm In 1 Posi\n");
674 "2021602e" ECHO; fprintf(yyout," -- Alarm In 1 Auto Pan\n");
675 "2021603e" ECHO; fprintf(yyout," -- Alarm In 1 Patrol 1\n");
676 "2021604e" ECHO; fprintf(yyout," -- Alarm In 1 Auto Tracking 1\n");
677 "2021610e" ECHO; fprintf(yyout," -- Alarm In 2 Off\n");
678 "2021611e" ECHO; fprintf(yyout," -- Alarm In 2 Posi\n");
679 "2021612e" ECHO; fprintf(yyout," -- Alarm In 2 Seq\n");
680 "2021613e" ECHO; fprintf(yyout," -- Alarm In 2 Patrol 2\n");
681 "2021614e" ECHO; fprintf(yyout," -- Alarm In 2 Auto Tracking 2\n");
682 "2021620e" ECHO; fprintf(yyout," -- Alarm In 3 Off\n");
683 "2021621e" ECHO; fprintf(yyout," -- Alarm In 3 Posi\n");
684 "2021622e" ECHO; fprintf(yyout," -- Alarm In 3 Sort\n");
685 "2021623e" ECHO; fprintf(yyout," -- Alarm In 3 Patrol 3\n");
686 "2021624e" ECHO; fprintf(yyout," -- Alarm In 3 Auto Tracking 3\n");
687 "2021630e" ECHO; fprintf(yyout," -- Alarm In 4 Off\n");
688 "2021631e" ECHO; fprintf(yyout," -- Alarm In 4 Posi\n");
689 "2021632e" ECHO; fprintf(yyout," -- Alarm In 4 BW\n");
690 "2021633e" ECHO; fprintf(yyout," -- Alarm In 4 Patrol 4\n");
691 "2021634e" ECHO; fprintf(yyout," -- Alarm In 4 Auto Tracking 4\n");
692
693 "2021700e" ECHO; fprintf(yyout," -- Cont 1 Off\n");
694 "2021701e" ECHO; fprintf(yyout," -- Cont 1 AUX 1\n");
695 "2021702e" ECHO; fprintf(yyout," -- Cont 1 VMD\n");
696 "2021710e" ECHO; fprintf(yyout," -- Cont 2 Off\n");
697 "2021711e" ECHO; fprintf(yyout," -- Cont 2 AUX 2\n");
698 "2021713e" ECHO; fprintf(yyout," -- Cont 2 BW\n");
699
700 "2022"[0-9A-F]{2}"0e" ECHO; fprintf(yyout," -- 8 speed motion command (2022pt0)\n");
701
702 "2029130e" ECHO; fprintf(yyout," -- AUX All On, Answer\n");
703 "2029131e" ECHO; fprintf(yyout," -- AUX All Off, Answer\n");
704 "2029160e" ECHO; fprintf(yyout," -- AUX 1 On, Answer\n");
705 "2029161e" ECHO; fprintf(yyout," -- AUX 1 Off, Answer\n");
706 "2029162e" ECHO; fprintf(yyout," -- AUX 2 On, Answer\n");
707 "2029163e" ECHO; fprintf(yyout," -- AUX 2 Off, Answer\n");
708 "2029180e" ECHO; fprintf(yyout," -- AUX 1 Momentary, Answer\n");
709 "2029181e" ECHO; fprintf(yyout," -- AUX 1 Latch, Answer\n");
710 "2029182e" ECHO; fprintf(yyout," -- AUX 2 Momentary, Answer\n");
711 "2029183e" ECHO; fprintf(yyout," -- AUX 2 Latch, Answer\n");
712

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713 "2029264e" ECHO; fprintf(yyout," -- Zoom [stop(v)] + Focus [stop(v)], Answer\n");
714 "2029268e" ECHO; fprintf(yyout," -- Zoom [tele(v)], Answer\n");
715 "2029269e" ECHO; fprintf(yyout," -- Zoom [tele(v)] + Focus [far(v)], Answer\n");
716 "202926Ae" ECHO; fprintf(yyout," -- Focus [far(v)], Answer\n");
717 "202926Be" ECHO; fprintf(yyout," -- Zoom [wide(v)] + Focus [far(v)], Answer\n");
718 "202926Ce" ECHO; fprintf(yyout," -- Zoom [wide(v)], Answer\n");
719 "202926De" ECHO; fprintf(yyout," -- Zoom [wide(v)] + Focus [near(v)], Answer\n");
720 "202926Ee" ECHO; fprintf(yyout," -- Focus [near(v)], Answer\n");
721 "202926Fe" ECHO; fprintf(yyout," -- Zoom [wide(v)] + Focus [near(v)], Answer\n");
722
723 "2029272e" ECHO; fprintf(yyout," -- Zoom Limit Inc, Answer\n");
724 "2029273e" ECHO; fprintf(yyout," -- Zoom Limit Dec, Answer\n");
725 "2029305e" ECHO; fprintf(yyout," -- Auto Pan Reverse, Answer\n");
726 "2029306e" ECHO; fprintf(yyout," -- Auto Pan Left End Set, Answer\n");
727 "2029307e" ECHO; fprintf(yyout," -- Auto Pan Right End Set, Answer\n");
728 "2029308e" ECHO; fprintf(yyout," -- Auto Pan Speed Inc, Answer\n");
729 "2029309e" ECHO; fprintf(yyout," -- Auto Pan Speed Dec, Answer\n");
730 "2029369e" ECHO; fprintf(yyout," -- Pan [left(v)] + Tilt [up(v)], Answer\n");
731 "202936De" ECHO; fprintf(yyout," -- Pan [right(v)] + Tilt [down(v)], Answer\n");
732 "202936Ee" ECHO; fprintf(yyout," -- Tilt [down(v)], Answer\n");
733 "202936Fe" ECHO; fprintf(yyout," -- Pan [left(v)] + Tilt [down(v)], Answer\n");
734 "2029390e" ECHO; fprintf(yyout," -- Auto Pan Key: Auto Pan, Answer\n");
735 "2029391e" ECHO; fprintf(yyout," -- Auto Pan Key: Seq, Answer\n");
736 "2029392e" ECHO; fprintf(yyout," -- Auto Pan Key: Sort, Answer\n");
737 "2029393e" ECHO; fprintf(yyout," -- Auto Pan Key: Patrol 1, Answer\n");
738 "2029394e" ECHO; fprintf(yyout," -- Auto Pan Key: Patrol 2, Answer\n");
739 "2029395e" ECHO; fprintf(yyout," -- Auto Pan Key: Patrol 3, Answer\n");
740 "2029396e" ECHO; fprintf(yyout," -- Auto Pan Key: Patrol 4, Answer\n");
741 "2029397e" ECHO; fprintf(yyout," -- Auto Pan Key: Auto Tracking, Answer\n");
742 "20293A0e" ECHO; fprintf(yyout," -- Propo Pan/Tilt On, Answer\n");
743 "20293A1e" ECHO; fprintf(yyout," -- Propo Pan/Tilt Off, Answer\n");
744 "20293B4e" ECHO; fprintf(yyout," -- Self Return Mode: Auto Tracking, Answer\n");
745 "20293B5e" ECHO; fprintf(yyout," -- Self Return Mode: Patrol 2, Answer\n");
746 "20293B6e" ECHO; fprintf(yyout," -- Self Return Mode: Patrol 3, Answer\n");
747 "20293B7e" ECHO; fprintf(yyout," -- Self Return Mode: Patrol 4, Answer\n");
748 "20293B8e" ECHO; fprintf(yyout," -- Self Return Mode: Off, Answer\n");
749 "20293B9e" ECHO; fprintf(yyout," -- Self Return Mode: Auto, Answer\n");
750 "20293BAe" ECHO; fprintf(yyout," -- Self Return Mode: Home-Posi, Answer\n");
751 "20293BBe" ECHO; fprintf(yyout," -- Self Return Mode: AutoPan, Answer\n");
752 "20293BCE" ECHO; fprintf(yyout," -- Self Return Mode: Seq, Answer\n");
753 "20293BDe" ECHO; fprintf(yyout," -- Self Return Mode: Sort, Answer\n");
754 "20293BEe" ECHO; fprintf(yyout," -- Self Return Mode: Patrol 1, Answer\n");
755 "20293C0e" ECHO; fprintf(yyout," -- Pan Limit On, Answer\n");
756 "20293C1e" ECHO; fprintf(yyout," -- Pan Limit Off, Answer\n");
757 "20293D1e" ECHO; fprintf(yyout," -- 180 Deg Turn, Answer\n");
758 "2029400e" ECHO; fprintf(yyout," -- Preset Position Call, Answer\n");
759 "2029410e" ECHO; fprintf(yyout," -- Home Position Call, Answer\n");
760 "2029431e" ECHO; fprintf(yyout," -- Preset Seq [off], Answer\n");
761 "2029480e" ECHO; fprintf(yyout," -- Patrol Setting Number: 1, Answer\n");
762 "2029481e" ECHO; fprintf(yyout," -- Patrol Setting Number: 2, Answer\n");
763 "2029482e" ECHO; fprintf(yyout," -- Patrol Setting Number: 4, Answer\n");
764 "2029488e" ECHO; fprintf(yyout," -- Patrol 1(S) Play, Answer\n");
765 "2029489e" ECHO; fprintf(yyout," -- Patrol 2(S) Play, Answer\n");
766 "202948Ae" ECHO; fprintf(yyout," -- Patrol 3(S) Play, Answer\n");
767 "202948Be" ECHO; fprintf(yyout," -- Patrol 4(S) Play, Answer\n");
768 "2029490e" ECHO; fprintf(yyout," -- Patrol Play, Answer\n");
769 "2029491e" ECHO; fprintf(yyout," -- Patrol Stop, Answer\n");
770 "2029494e" ECHO; fprintf(yyout," -- Patrol Learn, Answer\n");
771 "2029495e" ECHO; fprintf(yyout," -- Patrol 2 Play, Answer\n");
772 "2029496e" ECHO; fprintf(yyout," -- Patrol 3 Play, Answer\n");
773 "2029497e" ECHO; fprintf(yyout," -- Patrol 4 Play, Answer\n");
774 "2029498e" ECHO; fprintf(yyout," -- Patrol 2 Learn, Answer\n");
775 "2029499e" ECHO; fprintf(yyout," -- Patrol 3 Learn, Answer\n");
776 "202949Ae" ECHO; fprintf(yyout," -- Patrol 4 Learn, Answer\n");
777 "202949Be" ECHO; fprintf(yyout," -- Patrol 1 Del, Answer\n");
778 "202949Ce" ECHO; fprintf(yyout," -- Patrol 2 Del, Answer\n");
779 "202949De" ECHO; fprintf(yyout," -- Patrol 3 Del, Answer\n");
780 "202949Ee" ECHO; fprintf(yyout," -- Patrol 4 Del, Answer\n");
781 "20294E0e" ECHO; fprintf(yyout," -- Image Hold On, Answer\n");
782 "20294E1e" ECHO; fprintf(yyout," -- Image Hold Off, Answer\n");
783
784 "2029600e" ECHO; fprintf(yyout," -- Alarm In 1 Off, Answer\n");

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785 "2029601e" ECHO; fprintf(yyout," -- Alarm In 1 Posi, Answer\n");
786 "2029602e" ECHO; fprintf(yyout," -- Alarm In 1 Auto Pan, Answer\n");
787 "2029603e" ECHO; fprintf(yyout," -- Alarm In 1 Patrol 1, Answer\n");
788 "2029604e" ECHO; fprintf(yyout," -- Alarm In 1 Auto Tracking 1, Answer\n");
789 "2029610e" ECHO; fprintf(yyout," -- Alarm In 2 Off, Answer\n");
790 "2029611e" ECHO; fprintf(yyout," -- Alarm In 2 Posi, Answer\n");
791 "2029612e" ECHO; fprintf(yyout," -- Alarm In 2 Seq, Answer\n");
792 "2029613e" ECHO; fprintf(yyout," -- Alarm In 2 Patrol 2, Answer\n");
793 "2029614e" ECHO; fprintf(yyout," -- Alarm In 2 Auto Tracking 2, Answer\n");
794 "2029620e" ECHO; fprintf(yyout," -- Alarm In 3 Off, Answer\n");
795 "2029621e" ECHO; fprintf(yyout," -- Alarm In 3 Posi, Answer\n");
796 "2029622e" ECHO; fprintf(yyout," -- Alarm In 3 Sort, Answer\n");
797 "2029623e" ECHO; fprintf(yyout," -- Alarm In 3 Patrol 3, Answer\n");
798 "2029624e" ECHO; fprintf(yyout," -- Alarm In 3 Auto Tracking 3, Answer\n");
799 "2029630e" ECHO; fprintf(yyout," -- Alarm In 4 Off, Answer\n");
800 "2029631e" ECHO; fprintf(yyout," -- Alarm In 4 Posi, Answer\n");
801 "2029632e" ECHO; fprintf(yyout," -- Alarm In 4 BW, Answer\n");
802 "2029633e" ECHO; fprintf(yyout," -- Alarm In 4 Patrol 4, Answer\n");
803 "2029634e" ECHO; fprintf(yyout," -- Alarm In 4 Auto Tracking 4, Answer\n");
804
805 "2029700e" ECHO; fprintf(yyout," -- Cont 1 Off, Answer\n");
806 "2029701e" ECHO; fprintf(yyout," -- Cont 1 AUX 1, Answer\n");
807 "2029702e" ECHO; fprintf(yyout," -- Cont 1 VMD, Answer\n");
808 "2029710e" ECHO; fprintf(yyout," -- Cont 2 Off, Answer\n");
809 "2029711e" ECHO; fprintf(yyout," -- Cont 2 AUX 2, Answer\n");
810 "2029713e" ECHO; fprintf(yyout," -- Cont 2 BW, Answer\n");
811
812 "202E224e" ECHO; fprintf(yyout," -- Zoom [stop(f)] + Focus [stop(f)], Answer\n");
813 "202E228e" ECHO; fprintf(yyout," -- Zoom [tele(f)], Answer\n");
814 "202E229e" ECHO; fprintf(yyout," -- Zoom [tele(f)] + Focus [far(f)], Answer\n");
815 "202E22Ae" ECHO; fprintf(yyout," -- Focus [far(f)], Answer\n");
816 "202E22Be" ECHO; fprintf(yyout," -- Zoom [wide(f)] + Focus [far(f)], Answer\n");
817 "202E22Ce" ECHO; fprintf(yyout," -- Zoom [wide(f)], Answer\n");
818 "202E22De" ECHO; fprintf(yyout," -- Zoom [wide(f)] + Focus [near(f)], Answer\n");
819 "202E22Ee" ECHO; fprintf(yyout," -- Focus [near(f)], Answer\n");
820 "202E22Fe" ECHO; fprintf(yyout," -- Zoom [tele(f)] + Focus [near(f)], Answer\n");
821
822 "202E300e" ECHO; fprintf(yyout," -- Auto Pan On Auto Pan On, Answer\n");
823 "202E301e" ECHO; fprintf(yyout," -- Auto Pan Off Auto Pan Off, Answer\n");
824 "202E30Ee" ECHO; fprintf(yyout," -- Auto Pan EndLess On, Answer\n");
825 "202E30Fe" ECHO; fprintf(yyout," -- Auto Pan EndLess Off, Answer\n");
826 "202E324e" ECHO; fprintf(yyout," -- Pan [stop(f)] + Tilt [stop(f)], Answer\n");
827 "202E328e" ECHO; fprintf(yyout," -- Pan [left(f)], Answer\n");
828 "202E329e" ECHO; fprintf(yyout," -- Pan [left(f)] + Tilt [up(f)], Answer\n");
829 "202E32Ae" ECHO; fprintf(yyout," -- Tilt [up(f)], Answer\n");
830 "202E32Be" ECHO; fprintf(yyout," -- Pan [right(f)] + Tilt [up(f)], Answer\n");
831 "202E32Ce" ECHO; fprintf(yyout," -- Pan [right(f)], Answer\n");
832 "202E32De" ECHO; fprintf(yyout," -- Pan [right(f)] + Tilt [down(f)], Answer\n");
833 "202E32Ee" ECHO; fprintf(yyout," -- Tilt [down(f)], Answer\n");
834 "202E32Fe" ECHO; fprintf(yyout," -- Pan [left(f)] + Tilt [down(f)], Answer\n");
835
836 "202E334e" ECHO; fprintf(yyout," -- Pan [stop(f)] + Tilt [stop(s)], Answer\n");
837 "202E338e" ECHO; fprintf(yyout," -- Pan [left(f)], Answer\n");
838 "202E339e" ECHO; fprintf(yyout," -- Pan [left(f)] + Tilt [up(s)], Answer\n");
839 "202E33Ae" ECHO; fprintf(yyout," -- Tilt [up(s)], Answer\n");
840 "202E33Be" ECHO; fprintf(yyout," -- Pan [right(f)] + Tilt [up(s)], Answer\n");
841 "202E33Ce" ECHO; fprintf(yyout," -- Pan [right(f)], Answer\n");
842 "202E33De" ECHO; fprintf(yyout," -- Pan [right(f)] + Tilt [down(s)], Answer\n");
843 "202E33Ee" ECHO; fprintf(yyout," -- Tilt [down(s)], Answer\n");
844 "202E33Fe" ECHO; fprintf(yyout," -- Pan [left(f)] + Tilt [down(s)], Answer\n");
845
846 "202E344e" ECHO; fprintf(yyout," -- Pan [stop(s)] + Tilt [stop(f)], Answer\n");
847 "202E348e" ECHO; fprintf(yyout," -- Pan [left(s)], Answer\n");
848 "202E349e" ECHO; fprintf(yyout," -- Pan [left(s)] + Tilt [up(f)], Answer\n");
849 "202E34Ae" ECHO; fprintf(yyout," -- Tilt [up(f)], Answer\n");
850 "202E34Be" ECHO; fprintf(yyout," -- Pan [right(s)] + Tilt [up(f)], Answer\n");
851 "202E34Ce" ECHO; fprintf(yyout," -- Pan [right(s)], Answer\n");
852 "202E34De" ECHO; fprintf(yyout," -- Pan [right(s)] + Tilt [down(f)], Answer\n");
853 "202E34Ee" ECHO; fprintf(yyout," -- Tilt [down(f)], Answer\n");
854 "202E34Fe" ECHO; fprintf(yyout," -- Pan [left(s)] + Tilt [down(f)], Answer\n");
855
856 "202E354e" ECHO; fprintf(yyout," -- Pan [stop(s)] + Tilt [stop(s)], Answer\n");

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857 "202E358e" ECHO; fprintf(yyout," -- Pan [left(s)], Answer\n");
858 "202E359e" ECHO; fprintf(yyout," -- Pan [left(s)] + Tilt [up(s)], Answer\n");
859 "202E35Ae" ECHO; fprintf(yyout," -- Tilt [up(s)], Answer\n");
860 "202E35Be" ECHO; fprintf(yyout," -- Pan [right(s)] + Tilt [up(s)], Answer\n");
861 "202E35Ce" ECHO; fprintf(yyout," -- Pan [right(s)], Answer\n");
862 "202E35De" ECHO; fprintf(yyout," -- Pan [right(s)] + Tilt [down(s)], Answer\n");
863 "202E35Ee" ECHO; fprintf(yyout," -- Tilt [down(s)], Answer\n");
864 "202E35Fe" ECHO; fprintf(yyout," -- Pan [left(s)] + Tilt [down(s)], Answer\n");
865
866 "202E364e" ECHO; fprintf(yyout," -- Pan [stop(v)] + Tilt [stop(v)], Answer\n");
867 "202E368e" ECHO; fprintf(yyout," -- Pan [left(v)], Answer\n");
868 "202E36Ae" ECHO; fprintf(yyout," -- Tilt [up(v)], Answer\n");
869 "202E36Be" ECHO; fprintf(yyout," -- Pan [right(v)] + Tilt [up(v)], Answer\n");
870 "202E36Ce" ECHO; fprintf(yyout," -- Pan [right(v)], Answer\n");
871
872 "202E400e" ECHO; fprintf(yyout," -- Preset Position Request, Answer\n");
873 "202E431e" ECHO; fprintf(yyout," -- Preset Mode [off], Answer\n");
874 "202E437e" ECHO; fprintf(yyout," -- Preset Mode [seq on], Answer\n");
875 "202E438e" ECHO; fprintf(yyout," -- Preset Mode [sort on], Answer\n");
876 "202E540e" ECHO; fprintf(yyout," -- Preset Position Mode [start], Answer\n");
877 "202E542e" ECHO; fprintf(yyout," -- Preset Position Mode [set], Answer\n");
878 "202E543e" ECHO; fprintf(yyout," -- Preset Position Mode [end], Answer\n");
879 "202E547e" ECHO; fprintf(yyout," -- Preset Position Mode [ID all clear], Answer\n");
880
881 "902"[0-9A-F]{4}"e" ECHO; fprintf(yyout," -- 16 speed motion command (902zdp)\n");
882
883 "9030000e" ECHO; fprintf(yyout," -- Preset 1 Call\n");
884 "9030001e" ECHO; fprintf(yyout," -- Preset 2 Call\n");
885 "9030002e" ECHO; fprintf(yyout," -- Preset 3 Call\n");
886 "9030003e" ECHO; fprintf(yyout," -- Preset 4 Call\n");
887 "9030004e" ECHO; fprintf(yyout," -- Preset 5 Call\n");
888 "9030005e" ECHO; fprintf(yyout," -- Preset 6 Call\n");
889 "9030006e" ECHO; fprintf(yyout," -- Preset 7 Call\n");
890 "9030007e" ECHO; fprintf(yyout," -- Preset 8 Call\n");
891 "9030008e" ECHO; fprintf(yyout," -- Preset 9 Call\n");
892 "9030009e" ECHO; fprintf(yyout," -- Preset 10 Call\n");
893 "903000Ae" ECHO; fprintf(yyout," -- Preset 11 Call\n");
894 "903000Be" ECHO; fprintf(yyout," -- Preset 12 Call\n");
895 "903000Ce" ECHO; fprintf(yyout," -- Preset 13 Call\n");
896 "903000De" ECHO; fprintf(yyout," -- Preset 14 Call\n");
897 "903000Ee" ECHO; fprintf(yyout," -- Preset 15 Call\n");
898 "903000Fe" ECHO; fprintf(yyout," -- Preset 16 Call\n");
899 "9030010e" ECHO; fprintf(yyout," -- Preset 17 Call\n");
900 "9030011e" ECHO; fprintf(yyout," -- Preset 18 Call\n");
901 "9030012e" ECHO; fprintf(yyout," -- Preset 19 Call\n");
902 "9030013e" ECHO; fprintf(yyout," -- Preset 20 Call\n");
903 "9030014e" ECHO; fprintf(yyout," -- Preset 21 Call\n");
904 "9030015e" ECHO; fprintf(yyout," -- Preset 22 Call\n");
905 "9030016e" ECHO; fprintf(yyout," -- Preset 23 Call\n");
906 "9030017e" ECHO; fprintf(yyout," -- Preset 24 Call\n");
907 "9030018e" ECHO; fprintf(yyout," -- Preset 25 Call\n");
908 "9030019e" ECHO; fprintf(yyout," -- Preset 26 Call\n");
909 "903001Ae" ECHO; fprintf(yyout," -- Preset 27 Call\n");
910 "903001Be" ECHO; fprintf(yyout," -- Preset 28 Call\n");
911 "903001Ce" ECHO; fprintf(yyout," -- Preset 29 Call\n");
912 "903001De" ECHO; fprintf(yyout," -- Preset 30 Call\n");
913 "903001Ee" ECHO; fprintf(yyout," -- Preset 31 Call\n");
914 "903001Fe" ECHO; fprintf(yyout," -- Preset 32 Call\n");
915 "9030020e" ECHO; fprintf(yyout," -- Preset 33 Call\n");
916 "9030021e" ECHO; fprintf(yyout," -- Preset 34 Call\n");
917 "9030022e" ECHO; fprintf(yyout," -- Preset 35 Call\n");
918 "9030023e" ECHO; fprintf(yyout," -- Preset 36 Call\n");
919 "9030024e" ECHO; fprintf(yyout," -- Preset 37 Call\n");
920 "9030025e" ECHO; fprintf(yyout," -- Preset 38 Call\n");
921 "9030026e" ECHO; fprintf(yyout," -- Preset 39 Call\n");
922 "9030027e" ECHO; fprintf(yyout," -- Preset 40 Call\n");
923 "9030028e" ECHO; fprintf(yyout," -- Preset 41 Call\n");
924 "9030029e" ECHO; fprintf(yyout," -- Preset 42 Call\n");
925 "903002Ae" ECHO; fprintf(yyout," -- Preset 43 Call\n");
926 "903002Be" ECHO; fprintf(yyout," -- Preset 44 Call\n");
927 "903002Ce" ECHO; fprintf(yyout," -- Preset 45 Call\n");
928 "903002De" ECHO; fprintf(yyout," -- Preset 46 Call\n");

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929 "903002Ee" ECHO; fprintf(yyout, " -- Preset 47 Call\n");
930 "903002Fe" ECHO; fprintf(yyout, " -- Preset 48 Call\n");
931 "9030030e" ECHO; fprintf(yyout, " -- Preset 49 Call\n");
932 "9030031e" ECHO; fprintf(yyout, " -- Preset 50 Call\n");
933 "9030032e" ECHO; fprintf(yyout, " -- Preset 51 Call\n");
934 "9030033e" ECHO; fprintf(yyout, " -- Preset 52 Call\n");
935 "9030034e" ECHO; fprintf(yyout, " -- Preset 53 Call\n");
936 "9030035e" ECHO; fprintf(yyout, " -- Preset 54 Call\n");
937 "9030036e" ECHO; fprintf(yyout, " -- Preset 55 Call\n");
938 "9030037e" ECHO; fprintf(yyout, " -- Preset 56 Call\n");
939 "9030038e" ECHO; fprintf(yyout, " -- Preset 57 Call\n");
940 "9030039e" ECHO; fprintf(yyout, " -- Preset 58 Call\n");
941 "903003Ae" ECHO; fprintf(yyout, " -- Preset 59 Call\n");
942 "903003Be" ECHO; fprintf(yyout, " -- Preset 60 Call\n");
943 "903003Ce" ECHO; fprintf(yyout, " -- Preset 61 Call\n");
944 "903003De" ECHO; fprintf(yyout, " -- Preset 62 Call\n");
945 "903003Ee" ECHO; fprintf(yyout, " -- Preset 63 Call\n");
946 "903003Fe" ECHO; fprintf(yyout, " -- Preset 64 Call\n");
947
948 "9030040e" ECHO; fprintf(yyout, " -- Auto - Pan On\n");
949 "9030041e" ECHO; fprintf(yyout, " -- Auto - Pan Off\n");
950 "9030042e" ECHO; fprintf(yyout, " -- Auto - Pan Speed Inc\n");
951 "9030043e" ECHO; fprintf(yyout, " -- Auto - Pan Speed Dec\n");
952 "9030044e" ECHO; fprintf(yyout, " -- Auto - Pan Start Point Set\n");
953 "9030045e" ECHO; fprintf(yyout, " -- Auto - Pan End Point Set\n");
954 "9030046e" ECHO; fprintf(yyout, " -- Auto - Mode Off\n");
955 "9030047e" ECHO; fprintf(yyout, " -- Auto - Seq On\n");
956 "9030048e" ECHO; fprintf(yyout, " -- Auto - Sort On\n");
957 "9030049e" ECHO; fprintf(yyout, " -- Auto - Pan Sweep Area Invert\n");
958 "903004Ae" ECHO; fprintf(yyout, " -- reserved\n");
959 "903004Be" ECHO; fprintf(yyout, " -- Endless On\n");
960 "903004Ce" ECHO; fprintf(yyout, " -- Endless Off\n");
961 "903004De" ECHO; fprintf(yyout, " -- Digital Flip On\n");
962 "903004Ee" ECHO; fprintf(yyout, " -- Digital Flip Off\n");
963 "903004Fe" ECHO; fprintf(yyout, " -- Proportional P/T On\n");
964 "9030050e" ECHO; fprintf(yyout, " -- Proportional P/T Off\n");
965 "9030051e" ECHO; fprintf(yyout, " -- reserved\n");
966 "9030052e" ECHO; fprintf(yyout, " -- reserved\n");
967 "9030053e" ECHO; fprintf(yyout, " -- Super-DII On\n");
968 "9030054e" ECHO; fprintf(yyout, " -- Super-DII Off\n");
969 "9030055e" ECHO; fprintf(yyout, " -- Stop AF On\n");
970 "9030056e" ECHO; fprintf(yyout, " -- Stop AF Off\n");
971 "9030057e" ECHO; fprintf(yyout, " -- 1 Shot AF On (start)\n");
972 "9030058e" ECHO; fprintf(yyout, " -- Home Position Move\n");
973 "9030059e" ECHO; fprintf(yyout, " -- Home Position On\n");
974 "903005Ae" ECHO; fprintf(yyout, " -- Home Position Off\n");
975 "903005Be" ECHO; fprintf(yyout, " -- Home Position Auto\n");
976 "903005Ce" ECHO; fprintf(yyout, " -- Camera ID On\n");
977 "903005De" ECHO; fprintf(yyout, " -- Camera ID Off\n");
978 "903005Ee" ECHO; fprintf(yyout, " -- Area Title NESW On\n");
979 "903005Fe" ECHO; fprintf(yyout, " -- Area Title User On\n");
980 "9030060e" ECHO; fprintf(yyout, " -- Area Title Off\n");
981 "9030061e" ECHO; fprintf(yyout, " -- EL-Zoom On\n");
982 "9030062e" ECHO; fprintf(yyout, " -- EL-Zoom Off\n");
983 "9030063e" ECHO; fprintf(yyout, " -- Refresh\n");
984
985 "9030064e" ECHO; fprintf(yyout, " -- Preset 1 Set\n");
986 "9030065e" ECHO; fprintf(yyout, " -- Preset 2 Set\n");
987 "9030066e" ECHO; fprintf(yyout, " -- Preset 3 Set\n");
988 "9030067e" ECHO; fprintf(yyout, " -- Preset 4 Set\n");
989 "9030068e" ECHO; fprintf(yyout, " -- Preset 5 Set\n");
990 "9030069e" ECHO; fprintf(yyout, " -- Preset 6 Set\n");
991 "903006Ae" ECHO; fprintf(yyout, " -- Preset 7 Set\n");
992 "903006Be" ECHO; fprintf(yyout, " -- Preset 8 Set\n");
993 "903006Ce" ECHO; fprintf(yyout, " -- Preset 9 Set\n");
994 "903006De" ECHO; fprintf(yyout, " -- Preset 10 Set\n");
995 "903006Ee" ECHO; fprintf(yyout, " -- Preset 11 Set\n");
996 "903006Fe" ECHO; fprintf(yyout, " -- Preset 12 Set\n");
997 "9030070e" ECHO; fprintf(yyout, " -- Preset 13 Set\n");
998 "9030071e" ECHO; fprintf(yyout, " -- Preset 14 Set\n");
999 "9030072e" ECHO; fprintf(yyout, " -- Preset 15 Set\n");
1000 "9030073e" ECHO; fprintf(yyout, " -- Preset 16 Set\n");

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1001 "9030074e" ECHO; fprintf(yyout, " -- Preset 17 Set\n");
1002 "9030075e" ECHO; fprintf(yyout, " -- Preset 18 Set\n");
1003 "9030076e" ECHO; fprintf(yyout, " -- Preset 19 Set\n");
1004 "9030077e" ECHO; fprintf(yyout, " -- Preset 20 Set\n");
1005 "9030078e" ECHO; fprintf(yyout, " -- Preset 21 Set\n");
1006 "9030079e" ECHO; fprintf(yyout, " -- Preset 22 Set\n");
1007 "903007Ae" ECHO; fprintf(yyout, " -- Preset 23 Set\n");
1008 "903007Be" ECHO; fprintf(yyout, " -- Preset 24 Set\n");
1009 "903007Ce" ECHO; fprintf(yyout, " -- Preset 25 Set\n");
1010 "903007De" ECHO; fprintf(yyout, " -- Preset 26 Set\n");
1011 "903007Ee" ECHO; fprintf(yyout, " -- Preset 27 Set\n");
1012 "903007Fe" ECHO; fprintf(yyout, " -- Preset 28 Set\n");
1013 "9030080e" ECHO; fprintf(yyout, " -- Preset 29 Set\n");
1014 "9030081e" ECHO; fprintf(yyout, " -- Preset 30 Set\n");
1015 "9030082e" ECHO; fprintf(yyout, " -- Preset 31 Set\n");
1016 "9030083e" ECHO; fprintf(yyout, " -- Preset 32 Set\n");
1017 "9030084e" ECHO; fprintf(yyout, " -- Preset 33 Set\n");
1018 "9030085e" ECHO; fprintf(yyout, " -- Preset 34 Set\n");
1019 "9030086e" ECHO; fprintf(yyout, " -- Preset 35 Set\n");
1020 "9030087e" ECHO; fprintf(yyout, " -- Preset 36 Set\n");
1021 "9030088e" ECHO; fprintf(yyout, " -- Preset 37 Set\n");
1022 "9030089e" ECHO; fprintf(yyout, " -- Preset 38 Set\n");
1023 "903008Ae" ECHO; fprintf(yyout, " -- Preset 39 Set\n");
1024 "903008Be" ECHO; fprintf(yyout, " -- Preset 40 Set\n");
1025 "903008Ce" ECHO; fprintf(yyout, " -- Preset 41 Set\n");
1026 "903008De" ECHO; fprintf(yyout, " -- Preset 42 Set\n");
1027 "903008Ee" ECHO; fprintf(yyout, " -- Preset 43 Set\n");
1028 "903008Fe" ECHO; fprintf(yyout, " -- Preset 44 Set\n");
1029 "9030090e" ECHO; fprintf(yyout, " -- Preset 45 Set\n");
1030 "9030091e" ECHO; fprintf(yyout, " -- Preset 46 Set\n");
1031 "9030092e" ECHO; fprintf(yyout, " -- Preset 47 Set\n");
1032 "9030093e" ECHO; fprintf(yyout, " -- Preset 48 Set\n");
1033 "9030094e" ECHO; fprintf(yyout, " -- Preset 49 Set\n");
1034 "9030095e" ECHO; fprintf(yyout, " -- Preset 50 Set\n");
1035 "9030096e" ECHO; fprintf(yyout, " -- Preset 51 Set\n");
1036 "9030097e" ECHO; fprintf(yyout, " -- Preset 52 Set\n");
1037 "9030098e" ECHO; fprintf(yyout, " -- Preset 53 Set\n");
1038 "9030099e" ECHO; fprintf(yyout, " -- Preset 54 Set\n");
1039 "903009Ae" ECHO; fprintf(yyout, " -- Preset 55 Set\n");
1040 "903009Be" ECHO; fprintf(yyout, " -- Preset 56 Set\n");
1041 "903009Ce" ECHO; fprintf(yyout, " -- Preset 57 Set\n");
1042 "903009De" ECHO; fprintf(yyout, " -- Preset 58 Set\n");
1043 "903009Ee" ECHO; fprintf(yyout, " -- Preset 59 Set\n");
1044 "903009Fe" ECHO; fprintf(yyout, " -- Preset 60 Set\n");
1045 "90300A0e" ECHO; fprintf(yyout, " -- Preset 61 Set\n");
1046 "90300A1e" ECHO; fprintf(yyout, " -- Preset 62 Set\n");
1047 "90300A2e" ECHO; fprintf(yyout, " -- Preset 63 Set\n");
1048 "90300A3e" ECHO; fprintf(yyout, " -- Preset 64 Set\n");
1049
1050 "90300A4e" ECHO; fprintf(yyout, " -- Patrol - Play\n");
1051 "90300A5e" ECHO; fprintf(yyout, " -- Patrol - Stop\n");
1052 "90300A6e" ECHO; fprintf(yyout, " -- Patrol - Learn\n");
1053 "90300A7e" ECHO; fprintf(yyout, " -- reserved\n");
1054 "90300A8e" ECHO; fprintf(yyout, " -- Iris Open\n");
1055 "90300A9e" ECHO; fprintf(yyout, " -- Iris Close\n");
1056 "90300AAe" ECHO; fprintf(yyout, " -- Shutter On\n");
1057 "90300ABe" ECHO; fprintf(yyout, " -- Shutter Off\n");
1058 "90300ACe" ECHO; fprintf(yyout, " -- Shutter Inc\n");
1059 "90300ADe" ECHO; fprintf(yyout, " -- Shutter Dec\n");
1060 "90300AEd" ECHO; fprintf(yyout, " -- AGC On\n");
1061 "90300AFd" ECHO; fprintf(yyout, " -- AGC Off\n");
1062 "90300B0e" ECHO; fprintf(yyout, " -- Sens Up Fix - On\n");
1063 "90300B1e" ECHO; fprintf(yyout, " -- Sens Up Fix - Off\n");
1064 "90300B2e" ECHO; fprintf(yyout, " -- Sens Up Fix - Inc\n");
1065 "90300B3e" ECHO; fprintf(yyout, " -- Sens Up Fix - Dec\n");
1066 "90300B4e" ECHO; fprintf(yyout, " -- Sens Up Auto On\n");
1067 "90300B5e" ECHO; fprintf(yyout, " -- Sens Up Auto Off\n");
1068 "90300B6e" ECHO; fprintf(yyout, " -- Sens Up Auto Inc\n");
1069 "90300B7e" ECHO; fprintf(yyout, " -- Sens Up Auto Dec\n");
1070 "90300B8e" ECHO; fprintf(yyout, " -- LL Phase Inc\n");
1071 "90300B9e" ECHO; fprintf(yyout, " -- LL Phase Dec\n");
1072 "90300BAe" ECHO; fprintf(yyout, " -- 180 Deg Pan Turn\n");

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1073 "90300BB" ECHO; fprintf(yyout, " -- Cleaning On (menu)\n");
1074 "90300BC" ECHO; fprintf(yyout, " -- Cleaning Off (menu)\n");
1075 "90300BD" ECHO; fprintf(yyout, " -- BW Duration Time 10s\n");
1076 "90300BE" ECHO; fprintf(yyout, " -- BW Duration Time 30s\n");
1077 "90300BF" ECHO; fprintf(yyout, " -- BW Duration Time 60s\n");
1078 "90300C0" ECHO; fprintf(yyout, " -- BW Duration Time 300s\n");
1079 "90300C1" ECHO; fprintf(yyout, " -- Patrol 2 Play\n");
1080 "90300C2" ECHO; fprintf(yyout, " -- Patrol 3 Play\n");
1081 "90300C3" ECHO; fprintf(yyout, " -- Patrol 4 Play\n");
1082 "90300C4" ECHO; fprintf(yyout, " -- Patrol 2 Learn\n");
1083 "90300C5" ECHO; fprintf(yyout, " -- Patrol 3 Learn\n");
1084 "90300C6" ECHO; fprintf(yyout, " -- Patrol 4 Learn\n");
1085 "90300C7" ECHO; fprintf(yyout, " -- Auto Tracking\n");
1086 "90300C8" ECHO; fprintf(yyout, " -- Stabilizer On\n");
1087 "90300C9" ECHO; fprintf(yyout, " -- Stabilizer Off\n");
1088 "90300CA" ECHO; fprintf(yyout, " -- PTZ Position Display On\n");
1089 "90300CB" ECHO; fprintf(yyout, " -- PTZ Position Display Off\n");
1090
1091 "9031000" ECHO; fprintf(yyout, " -- Preset 1 Call\n");
1092 "9031001" ECHO; fprintf(yyout, " -- Preset 2 Call\n");
1093 "9031002" ECHO; fprintf(yyout, " -- Preset 3 Call\n");
1094 "9031003" ECHO; fprintf(yyout, " -- Preset 4 Call\n");
1095 "9031004" ECHO; fprintf(yyout, " -- Preset 5 Call\n");
1096 "9031005" ECHO; fprintf(yyout, " -- Preset 6 Call\n");
1097 "9031006" ECHO; fprintf(yyout, " -- Preset 7 Call\n");
1098 "9031007" ECHO; fprintf(yyout, " -- Preset 8 Call\n");
1099 "9031008" ECHO; fprintf(yyout, " -- Preset 9 Call\n");
1100 "9031009" ECHO; fprintf(yyout, " -- Preset 10 Call\n");
1101 "903100A" ECHO; fprintf(yyout, " -- Preset 11 Call\n");
1102 "903100B" ECHO; fprintf(yyout, " -- Preset 12 Call\n");
1103 "903100C" ECHO; fprintf(yyout, " -- Preset 13 Call\n");
1104 "903100D" ECHO; fprintf(yyout, " -- Preset 14 Call\n");
1105 "903100E" ECHO; fprintf(yyout, " -- Preset 15 Call\n");
1106 "903100F" ECHO; fprintf(yyout, " -- Preset 16 Call\n");
1107 "9031010" ECHO; fprintf(yyout, " -- Preset 17 Call\n");
1108 "9031011" ECHO; fprintf(yyout, " -- Preset 18 Call\n");
1109 "9031012" ECHO; fprintf(yyout, " -- Preset 19 Call\n");
1110 "9031013" ECHO; fprintf(yyout, " -- Preset 20 Call\n");
1111 "9031014" ECHO; fprintf(yyout, " -- Preset 21 Call\n");
1112 "9031015" ECHO; fprintf(yyout, " -- Preset 22 Call\n");
1113 "9031016" ECHO; fprintf(yyout, " -- Preset 23 Call\n");
1114 "9031017" ECHO; fprintf(yyout, " -- Preset 24 Call\n");
1115 "9031018" ECHO; fprintf(yyout, " -- Preset 25 Call\n");
1116 "9031019" ECHO; fprintf(yyout, " -- Preset 26 Call\n");
1117 "903101A" ECHO; fprintf(yyout, " -- Preset 27 Call\n");
1118 "903101B" ECHO; fprintf(yyout, " -- Preset 28 Call\n");
1119 "903101C" ECHO; fprintf(yyout, " -- Preset 29 Call\n");
1120 "903101D" ECHO; fprintf(yyout, " -- Preset 30 Call\n");
1121 "903101E" ECHO; fprintf(yyout, " -- Preset 31 Call\n");
1122 "903101F" ECHO; fprintf(yyout, " -- Preset 32 Call\n");
1123 "9031020" ECHO; fprintf(yyout, " -- Preset 33 Call\n");
1124 "9031021" ECHO; fprintf(yyout, " -- Preset 34 Call\n");
1125 "9031022" ECHO; fprintf(yyout, " -- Preset 35 Call\n");
1126 "9031023" ECHO; fprintf(yyout, " -- Preset 36 Call\n");
1127 "9031024" ECHO; fprintf(yyout, " -- Preset 37 Call\n");
1128 "9031025" ECHO; fprintf(yyout, " -- Preset 38 Call\n");
1129 "9031026" ECHO; fprintf(yyout, " -- Preset 39 Call\n");
1130 "9031027" ECHO; fprintf(yyout, " -- Preset 40 Call\n");
1131 "9031028" ECHO; fprintf(yyout, " -- Preset 41 Call\n");
1132 "9031029" ECHO; fprintf(yyout, " -- Preset 42 Call\n");
1133 "903102A" ECHO; fprintf(yyout, " -- Preset 43 Call\n");
1134 "903102B" ECHO; fprintf(yyout, " -- Preset 44 Call\n");
1135 "903102C" ECHO; fprintf(yyout, " -- Preset 45 Call\n");
1136 "903102D" ECHO; fprintf(yyout, " -- Preset 46 Call\n");
1137 "903102E" ECHO; fprintf(yyout, " -- Preset 47 Call\n");
1138 "903102F" ECHO; fprintf(yyout, " -- Preset 48 Call\n");
1139 "9031030" ECHO; fprintf(yyout, " -- Preset 49 Call\n");
1140 "9031031" ECHO; fprintf(yyout, " -- Preset 50 Call\n");
1141 "9031032" ECHO; fprintf(yyout, " -- Preset 51 Call\n");
1142 "9031033" ECHO; fprintf(yyout, " -- Preset 52 Call\n");
1143 "9031034" ECHO; fprintf(yyout, " -- Preset 53 Call\n");
1144 "9031035" ECHO; fprintf(yyout, " -- Preset 54 Call\n");

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1145 "9031036e" ECHO; fprintf(yyout, " -- Preset 55 Call\n");
1146 "9031037e" ECHO; fprintf(yyout, " -- Preset 56 Call\n");
1147 "9031038e" ECHO; fprintf(yyout, " -- Preset 57 Call\n");
1148 "9031039e" ECHO; fprintf(yyout, " -- Preset 58 Call\n");
1149 "903103Ae" ECHO; fprintf(yyout, " -- Preset 59 Call\n");
1150 "903103Be" ECHO; fprintf(yyout, " -- Preset 60 Call\n");
1151 "903103Ce" ECHO; fprintf(yyout, " -- Preset 61 Call\n");
1152 "903103De" ECHO; fprintf(yyout, " -- Preset 62 Call\n");
1153 "903103Ee" ECHO; fprintf(yyout, " -- Preset 63 Call\n");
1154 "903103Fe" ECHO; fprintf(yyout, " -- Preset 64 Call\n");
1155 "9031040e" ECHO; fprintf(yyout, " -- Preset 65 Call\n");
1156 "9031041e" ECHO; fprintf(yyout, " -- Preset 66 Call\n");
1157 "9031042e" ECHO; fprintf(yyout, " -- Preset 67 Call\n");
1158 "9031043e" ECHO; fprintf(yyout, " -- Preset 68 Call\n");
1159 "9031044e" ECHO; fprintf(yyout, " -- Preset 69 Call\n");
1160 "9031045e" ECHO; fprintf(yyout, " -- Preset 70 Call\n");
1161 "9031046e" ECHO; fprintf(yyout, " -- Preset 71 Call\n");
1162 "9031047e" ECHO; fprintf(yyout, " -- Preset 72 Call\n");
1163 "9031048e" ECHO; fprintf(yyout, " -- Preset 73 Call\n");
1164 "9031049e" ECHO; fprintf(yyout, " -- Preset 74 Call\n");
1165 "903104Ae" ECHO; fprintf(yyout, " -- Preset 75 Call\n");
1166 "903104Be" ECHO; fprintf(yyout, " -- Preset 76 Call\n");
1167 "903104Ce" ECHO; fprintf(yyout, " -- Preset 77 Call\n");
1168 "903104De" ECHO; fprintf(yyout, " -- Preset 78 Call\n");
1169 "903104Ee" ECHO; fprintf(yyout, " -- Preset 79 Call\n");
1170 "903104Fe" ECHO; fprintf(yyout, " -- Preset 80 Call\n");
1171 "9031050e" ECHO; fprintf(yyout, " -- Preset 81 Call\n");
1172 "9031051e" ECHO; fprintf(yyout, " -- Preset 82 Call\n");
1173 "9031052e" ECHO; fprintf(yyout, " -- Preset 83 Call\n");
1174 "9031053e" ECHO; fprintf(yyout, " -- Preset 84 Call\n");
1175 "9031054e" ECHO; fprintf(yyout, " -- Preset 85 Call\n");
1176 "9031055e" ECHO; fprintf(yyout, " -- Preset 86 Call\n");
1177 "9031056e" ECHO; fprintf(yyout, " -- Preset 87 Call\n");
1178 "9031057e" ECHO; fprintf(yyout, " -- Preset 88 Call\n");
1179 "9031058e" ECHO; fprintf(yyout, " -- Preset 89 Call\n");
1180 "9031059e" ECHO; fprintf(yyout, " -- Preset 90 Call\n");
1181 "903105Ae" ECHO; fprintf(yyout, " -- Preset 91 Call\n");
1182 "903105Be" ECHO; fprintf(yyout, " -- Preset 92 Call\n");
1183 "903105Ce" ECHO; fprintf(yyout, " -- Preset 93 Call\n");
1184 "903105De" ECHO; fprintf(yyout, " -- Preset 94 Call\n");
1185 "903105Ee" ECHO; fprintf(yyout, " -- Preset 95 Call\n");
1186 "903105Fe" ECHO; fprintf(yyout, " -- Preset 96 Call\n");
1187 "9031060e" ECHO; fprintf(yyout, " -- Preset 97 Call\n");
1188 "9031061e" ECHO; fprintf(yyout, " -- Preset 98 Call\n");
1189 "9031062e" ECHO; fprintf(yyout, " -- Preset 99 Call\n");
1190 "9031063e" ECHO; fprintf(yyout, " -- Preset 100 Call\n");
1191 "9031064e" ECHO; fprintf(yyout, " -- Preset 101 Call\n");
1192 "9031065e" ECHO; fprintf(yyout, " -- Preset 102 Call\n");
1193 "9031066e" ECHO; fprintf(yyout, " -- Preset 103 Call\n");
1194 "9031067e" ECHO; fprintf(yyout, " -- Preset 104 Call\n");
1195 "9031068e" ECHO; fprintf(yyout, " -- Preset 105 Call\n");
1196 "9031069e" ECHO; fprintf(yyout, " -- Preset 106 Call\n");
1197 "903106Ae" ECHO; fprintf(yyout, " -- Preset 107 Call\n");
1198 "903106Be" ECHO; fprintf(yyout, " -- Preset 108 Call\n");
1199 "903106Ce" ECHO; fprintf(yyout, " -- Preset 109 Call\n");
1200 "903106De" ECHO; fprintf(yyout, " -- Preset 110 Call\n");
1201 "903106Ee" ECHO; fprintf(yyout, " -- Preset 111 Call\n");
1202 "903106Fe" ECHO; fprintf(yyout, " -- Preset 112 Call\n");
1203 "9031070e" ECHO; fprintf(yyout, " -- Preset 113 Call\n");
1204 "9031071e" ECHO; fprintf(yyout, " -- Preset 114 Call\n");
1205 "9031072e" ECHO; fprintf(yyout, " -- Preset 115 Call\n");
1206 "9031073e" ECHO; fprintf(yyout, " -- Preset 116 Call\n");
1207 "9031074e" ECHO; fprintf(yyout, " -- Preset 117 Call\n");
1208 "9031075e" ECHO; fprintf(yyout, " -- Preset 118 Call\n");
1209 "9031076e" ECHO; fprintf(yyout, " -- Preset 119 Call\n");
1210 "9031077e" ECHO; fprintf(yyout, " -- Preset 120 Call\n");
1211 "9031078e" ECHO; fprintf(yyout, " -- Preset 121 Call\n");
1212 "9031079e" ECHO; fprintf(yyout, " -- Preset 122 Call\n");
1213 "903107Ae" ECHO; fprintf(yyout, " -- Preset 123 Call\n");
1214 "903107Be" ECHO; fprintf(yyout, " -- Preset 124 Call\n");
1215 "903107Ce" ECHO; fprintf(yyout, " -- Preset 125 Call\n");
1216 "903107De" ECHO; fprintf(yyout, " -- Preset 126 Call\n");

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1217 "903107Ee" ECHO; fprintf(yyout, " -- Preset 127 Call\n");
1218 "903107Fe" ECHO; fprintf(yyout, " -- Preset 128 Call\n");
1219 "9031080e" ECHO; fprintf(yyout, " -- Preset 129 Call\n");
1220 "9031081e" ECHO; fprintf(yyout, " -- Preset 130 Call\n");
1221 "9031082e" ECHO; fprintf(yyout, " -- Preset 131 Call\n");
1222 "9031083e" ECHO; fprintf(yyout, " -- Preset 132 Call\n");
1223 "9031084e" ECHO; fprintf(yyout, " -- Preset 133 Call\n");
1224 "9031085e" ECHO; fprintf(yyout, " -- Preset 134 Call\n");
1225 "9031086e" ECHO; fprintf(yyout, " -- Preset 135 Call\n");
1226 "9031087e" ECHO; fprintf(yyout, " -- Preset 136 Call\n");
1227 "9031088e" ECHO; fprintf(yyout, " -- Preset 137 Call\n");
1228 "9031089e" ECHO; fprintf(yyout, " -- Preset 138 Call\n");
1229 "903108Ae" ECHO; fprintf(yyout, " -- Preset 139 Call\n");
1230 "903108Be" ECHO; fprintf(yyout, " -- Preset 140 Call\n");
1231 "903108Ce" ECHO; fprintf(yyout, " -- Preset 141 Call\n");
1232 "903108De" ECHO; fprintf(yyout, " -- Preset 142 Call\n");
1233 "903108Ee" ECHO; fprintf(yyout, " -- Preset 143 Call\n");
1234 "903108Fe" ECHO; fprintf(yyout, " -- Preset 144 Call\n");
1235 "9031090e" ECHO; fprintf(yyout, " -- Preset 145 Call\n");
1236 "9031091e" ECHO; fprintf(yyout, " -- Preset 146 Call\n");
1237 "9031092e" ECHO; fprintf(yyout, " -- Preset 147 Call\n");
1238 "9031093e" ECHO; fprintf(yyout, " -- Preset 148 Call\n");
1239 "9031094e" ECHO; fprintf(yyout, " -- Preset 149 Call\n");
1240 "9031095e" ECHO; fprintf(yyout, " -- Preset 150 Call\n");
1241 "9031096e" ECHO; fprintf(yyout, " -- Preset 151 Call\n");
1242 "9031097e" ECHO; fprintf(yyout, " -- Preset 152 Call\n");
1243 "9031098e" ECHO; fprintf(yyout, " -- Preset 153 Call\n");
1244 "9031099e" ECHO; fprintf(yyout, " -- Preset 154 Call\n");
1245 "903109Ae" ECHO; fprintf(yyout, " -- Preset 155 Call\n");
1246 "903109Be" ECHO; fprintf(yyout, " -- Preset 156 Call\n");
1247 "903109Ce" ECHO; fprintf(yyout, " -- Preset 157 Call\n");
1248 "903109De" ECHO; fprintf(yyout, " -- Preset 158 Call\n");
1249 "903109Ee" ECHO; fprintf(yyout, " -- Preset 159 Call\n");
1250 "903109Fe" ECHO; fprintf(yyout, " -- Preset 160 Call\n");
1251 "90310A0e" ECHO; fprintf(yyout, " -- Preset 161 Call\n");
1252 "90310A1e" ECHO; fprintf(yyout, " -- Preset 162 Call\n");
1253 "90310A2e" ECHO; fprintf(yyout, " -- Preset 163 Call\n");
1254 "90310A3e" ECHO; fprintf(yyout, " -- Preset 164 Call\n");
1255 "90310A4e" ECHO; fprintf(yyout, " -- Preset 165 Call\n");
1256 "90310A5e" ECHO; fprintf(yyout, " -- Preset 166 Call\n");
1257 "90310A6e" ECHO; fprintf(yyout, " -- Preset 167 Call\n");
1258 "90310A7e" ECHO; fprintf(yyout, " -- Preset 168 Call\n");
1259 "90310A8e" ECHO; fprintf(yyout, " -- Preset 169 Call\n");
1260 "90310A9e" ECHO; fprintf(yyout, " -- Preset 170 Call\n");
1261 "90310AAe" ECHO; fprintf(yyout, " -- Preset 171 Call\n");
1262 "90310ABe" ECHO; fprintf(yyout, " -- Preset 172 Call\n");
1263 "90310ACe" ECHO; fprintf(yyout, " -- Preset 173 Call\n");
1264 "90310ADe" ECHO; fprintf(yyout, " -- Preset 174 Call\n");
1265 "90310AEd" ECHO; fprintf(yyout, " -- Preset 175 Call\n");
1266 "90310AFe" ECHO; fprintf(yyout, " -- Preset 176 Call\n");
1267 "90310B0e" ECHO; fprintf(yyout, " -- Preset 177 Call\n");
1268 "90310B1e" ECHO; fprintf(yyout, " -- Preset 178 Call\n");
1269 "90310B2e" ECHO; fprintf(yyout, " -- Preset 179 Call\n");
1270 "90310B3e" ECHO; fprintf(yyout, " -- Preset 180 Call\n");
1271 "90310B4e" ECHO; fprintf(yyout, " -- Preset 181 Call\n");
1272 "90310B5e" ECHO; fprintf(yyout, " -- Preset 182 Call\n");
1273 "90310B6e" ECHO; fprintf(yyout, " -- Preset 183 Call\n");
1274 "90310B7e" ECHO; fprintf(yyout, " -- Preset 184 Call\n");
1275 "90310B8e" ECHO; fprintf(yyout, " -- Preset 185 Call\n");
1276 "90310B9e" ECHO; fprintf(yyout, " -- Preset 186 Call\n");
1277 "90310BAe" ECHO; fprintf(yyout, " -- Preset 187 Call\n");
1278 "90310BBe" ECHO; fprintf(yyout, " -- Preset 188 Call\n");
1279 "90310BCe" ECHO; fprintf(yyout, " -- Preset 189 Call\n");
1280 "90310BDe" ECHO; fprintf(yyout, " -- Preset 190 Call\n");
1281 "90310BEe" ECHO; fprintf(yyout, " -- Preset 191 Call\n");
1282 "90310BFe" ECHO; fprintf(yyout, " -- Preset 192 Call\n");
1283 "90310C0e" ECHO; fprintf(yyout, " -- Preset 193 Call\n");
1284 "90310C1e" ECHO; fprintf(yyout, " -- Preset 194 Call\n");
1285 "90310C2e" ECHO; fprintf(yyout, " -- Preset 195 Call\n");
1286 "90310C3e" ECHO; fprintf(yyout, " -- Preset 196 Call\n");
1287 "90310C4e" ECHO; fprintf(yyout, " -- Preset 197 Call\n");
1288 "90310C5e" ECHO; fprintf(yyout, " -- Preset 198 Call\n");

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1289 "90310C6e" ECHO; fprintf(yyout, " -- Preset 199 Call\n");
1290 "90310C7e" ECHO; fprintf(yyout, " -- Preset 200 Call\n");
1291 "90310C8e" ECHO; fprintf(yyout, " -- Preset 201 Call\n");
1292 "90310C9e" ECHO; fprintf(yyout, " -- Preset 202 Call\n");
1293 "90310CAe" ECHO; fprintf(yyout, " -- Preset 203 Call\n");
1294 "90310CBe" ECHO; fprintf(yyout, " -- Preset 204 Call\n");
1295 "90310CCe" ECHO; fprintf(yyout, " -- Preset 205 Call\n");
1296 "90310CDe" ECHO; fprintf(yyout, " -- Preset 206 Call\n");
1297 "90310CEe" ECHO; fprintf(yyout, " -- Preset 207 Call\n");
1298 "90310CFe" ECHO; fprintf(yyout, " -- Preset 208 Call\n");
1299 "90310D0e" ECHO; fprintf(yyout, " -- Preset 209 Call\n");
1300 "90310D1e" ECHO; fprintf(yyout, " -- Preset 210 Call\n");
1301 "90310D2e" ECHO; fprintf(yyout, " -- Preset 211 Call\n");
1302 "90310D3e" ECHO; fprintf(yyout, " -- Preset 212 Call\n");
1303 "90310D4e" ECHO; fprintf(yyout, " -- Preset 213 Call\n");
1304 "90310D5e" ECHO; fprintf(yyout, " -- Preset 214 Call\n");
1305 "90310D6e" ECHO; fprintf(yyout, " -- Preset 215 Call\n");
1306 "90310D7e" ECHO; fprintf(yyout, " -- Preset 216 Call\n");
1307 "90310D8e" ECHO; fprintf(yyout, " -- Preset 217 Call\n");
1308 "90310D9e" ECHO; fprintf(yyout, " -- Preset 218 Call\n");
1309 "90310DAe" ECHO; fprintf(yyout, " -- Preset 219 Call\n");
1310 "90310DBe" ECHO; fprintf(yyout, " -- Preset 220 Call\n");
1311 "90310Dce" ECHO; fprintf(yyout, " -- Preset 221 Call\n");
1312 "90310DDe" ECHO; fprintf(yyout, " -- Preset 222 Call\n");
1313 "90310DEe" ECHO; fprintf(yyout, " -- Preset 223 Call\n");
1314 "90310DFe" ECHO; fprintf(yyout, " -- Preset 224 Call\n");
1315 "90310E0e" ECHO; fprintf(yyout, " -- Preset 225 Call\n");
1316 "90310E1e" ECHO; fprintf(yyout, " -- Preset 226 Call\n");
1317 "90310E2e" ECHO; fprintf(yyout, " -- Preset 227 Call\n");
1318 "90310E3e" ECHO; fprintf(yyout, " -- Preset 228 Call\n");
1319 "90310E4e" ECHO; fprintf(yyout, " -- Preset 229 Call\n");
1320 "90310E5e" ECHO; fprintf(yyout, " -- Preset 230 Call\n");
1321 "90310E6e" ECHO; fprintf(yyout, " -- Preset 231 Call\n");
1322 "90310E7e" ECHO; fprintf(yyout, " -- Preset 232 Call\n");
1323 "90310E8e" ECHO; fprintf(yyout, " -- Preset 233 Call\n");
1324 "90310E9e" ECHO; fprintf(yyout, " -- Preset 234 Call\n");
1325 "90310EAe" ECHO; fprintf(yyout, " -- Preset 235 Call\n");
1326 "90310EBe" ECHO; fprintf(yyout, " -- Preset 236 Call\n");
1327 "90310ECe" ECHO; fprintf(yyout, " -- Preset 237 Call\n");
1328 "90310EDe" ECHO; fprintf(yyout, " -- Preset 238 Call\n");
1329 "90310EEe" ECHO; fprintf(yyout, " -- Preset 239 Call\n");
1330 "90310EFe" ECHO; fprintf(yyout, " -- Preset 240 Call\n");
1331 "90310F0e" ECHO; fprintf(yyout, " -- Preset 241 Call\n");
1332 "90310F1e" ECHO; fprintf(yyout, " -- Preset 242 Call\n");
1333 "90310F2e" ECHO; fprintf(yyout, " -- Preset 243 Call\n");
1334 "90310F3e" ECHO; fprintf(yyout, " -- Preset 244 Call\n");
1335 "90310F4e" ECHO; fprintf(yyout, " -- Preset 245 Call\n");
1336 "90310F5e" ECHO; fprintf(yyout, " -- Preset 246 Call\n");
1337 "90310F6e" ECHO; fprintf(yyout, " -- Preset 247 Call\n");
1338 "90310F7e" ECHO; fprintf(yyout, " -- Preset 248 Call\n");
1339 "90310F8e" ECHO; fprintf(yyout, " -- Preset 249 Call\n");
1340 "90310F9e" ECHO; fprintf(yyout, " -- Preset 250 Call\n");
1341 "90310FAe" ECHO; fprintf(yyout, " -- Preset 251 Call\n");
1342 "90310FBe" ECHO; fprintf(yyout, " -- Preset 252 Call\n");
1343 "90310FCe" ECHO; fprintf(yyout, " -- Preset 253 Call\n");
1344 "90310FDe" ECHO; fprintf(yyout, " -- Preset 254 Call\n");
1345 "90310FEe" ECHO; fprintf(yyout, " -- Preset 255 Call\n");
1346 "90310FFe" ECHO; fprintf(yyout, " -- Preset 256 Call\n");
1347
1348 "903112Ce" ECHO; fprintf(yyout, " -- Preset 1 Set\n");
1349 "903112De" ECHO; fprintf(yyout, " -- Preset 2 Set\n");
1350 "903112Ee" ECHO; fprintf(yyout, " -- Preset 3 Set\n");
1351 "903112Fe" ECHO; fprintf(yyout, " -- Preset 4 Set\n");
1352 "9031130e" ECHO; fprintf(yyout, " -- Preset 5 Set\n");
1353 "9031131e" ECHO; fprintf(yyout, " -- Preset 6 Set\n");
1354 "9031132e" ECHO; fprintf(yyout, " -- Preset 7 Set\n");
1355 "9031133e" ECHO; fprintf(yyout, " -- Preset 8 Set\n");
1356 "9031134e" ECHO; fprintf(yyout, " -- Preset 9 Set\n");
1357 "9031135e" ECHO; fprintf(yyout, " -- Preset 10 Set\n");
1358 "9031136e" ECHO; fprintf(yyout, " -- Preset 11 Set\n");
1359 "9031137e" ECHO; fprintf(yyout, " -- Preset 12 Set\n");
1360 "9031138e" ECHO; fprintf(yyout, " -- Preset 13 Set\n");

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1361 "9031139e" ECHO; fprintf(yyout, " -- Preset 14 Set\n");
1362 "903113Ae" ECHO; fprintf(yyout, " -- Preset 15 Set\n");
1363 "903113Be" ECHO; fprintf(yyout, " -- Preset 16 Set\n");
1364 "903113Ce" ECHO; fprintf(yyout, " -- Preset 17 Set\n");
1365 "903113De" ECHO; fprintf(yyout, " -- Preset 18 Set\n");
1366 "903113Ee" ECHO; fprintf(yyout, " -- Preset 19 Set\n");
1367 "903113Fe" ECHO; fprintf(yyout, " -- Preset 20 Set\n");
1368 "9031140e" ECHO; fprintf(yyout, " -- Preset 21 Set\n");
1369 "9031141e" ECHO; fprintf(yyout, " -- Preset 22 Set\n");
1370 "9031142e" ECHO; fprintf(yyout, " -- Preset 23 Set\n");
1371 "9031143e" ECHO; fprintf(yyout, " -- Preset 24 Set\n");
1372 "9031144e" ECHO; fprintf(yyout, " -- Preset 25 Set\n");
1373 "9031145e" ECHO; fprintf(yyout, " -- Preset 26 Set\n");
1374 "9031146e" ECHO; fprintf(yyout, " -- Preset 27 Set\n");
1375 "9031147e" ECHO; fprintf(yyout, " -- Preset 28 Set\n");
1376 "9031148e" ECHO; fprintf(yyout, " -- Preset 29 Set\n");
1377 "9031149e" ECHO; fprintf(yyout, " -- Preset 30 Set\n");
1378 "903114Ae" ECHO; fprintf(yyout, " -- Preset 31 Set\n");
1379 "903114Be" ECHO; fprintf(yyout, " -- Preset 32 Set\n");
1380 "903114Ce" ECHO; fprintf(yyout, " -- Preset 33 Set\n");
1381 "903114De" ECHO; fprintf(yyout, " -- Preset 34 Set\n");
1382 "903114Ee" ECHO; fprintf(yyout, " -- Preset 35 Set\n");
1383 "903114Fe" ECHO; fprintf(yyout, " -- Preset 36 Set\n");
1384 "9031150e" ECHO; fprintf(yyout, " -- Preset 37 Set\n");
1385 "9031151e" ECHO; fprintf(yyout, " -- Preset 38 Set\n");
1386 "9031152e" ECHO; fprintf(yyout, " -- Preset 39 Set\n");
1387 "9031153e" ECHO; fprintf(yyout, " -- Preset 40 Set\n");
1388 "9031154e" ECHO; fprintf(yyout, " -- Preset 41 Set\n");
1389 "9031155e" ECHO; fprintf(yyout, " -- Preset 42 Set\n");
1390 "9031156e" ECHO; fprintf(yyout, " -- Preset 43 Set\n");
1391 "9031157e" ECHO; fprintf(yyout, " -- Preset 44 Set\n");
1392 "9031158e" ECHO; fprintf(yyout, " -- Preset 45 Set\n");
1393 "9031159e" ECHO; fprintf(yyout, " -- Preset 46 Set\n");
1394 "903115Ae" ECHO; fprintf(yyout, " -- Preset 47 Set\n");
1395 "903115Be" ECHO; fprintf(yyout, " -- Preset 48 Set\n");
1396 "903115Ce" ECHO; fprintf(yyout, " -- Preset 49 Set\n");
1397 "903115De" ECHO; fprintf(yyout, " -- Preset 50 Set\n");
1398 "903115Ee" ECHO; fprintf(yyout, " -- Preset 51 Set\n");
1399 "903115Fe" ECHO; fprintf(yyout, " -- Preset 52 Set\n");
1400 "9031160e" ECHO; fprintf(yyout, " -- Preset 53 Set\n");
1401 "9031161e" ECHO; fprintf(yyout, " -- Preset 54 Set\n");
1402 "9031162e" ECHO; fprintf(yyout, " -- Preset 55 Set\n");
1403 "9031163e" ECHO; fprintf(yyout, " -- Preset 56 Set\n");
1404 "9031164e" ECHO; fprintf(yyout, " -- Preset 57 Set\n");
1405 "9031165e" ECHO; fprintf(yyout, " -- Preset 58 Set\n");
1406 "9031166e" ECHO; fprintf(yyout, " -- Preset 59 Set\n");
1407 "9031167e" ECHO; fprintf(yyout, " -- Preset 60 Set\n");
1408 "9031168e" ECHO; fprintf(yyout, " -- Preset 61 Set\n");
1409 "9031169e" ECHO; fprintf(yyout, " -- Preset 62 Set\n");
1410 "903116Ae" ECHO; fprintf(yyout, " -- Preset 63 Set\n");
1411 "903116Be" ECHO; fprintf(yyout, " -- Preset 64 Set\n");
1412 "903116Ce" ECHO; fprintf(yyout, " -- Preset 65 Set\n");
1413 "903116De" ECHO; fprintf(yyout, " -- Preset 66 Set\n");
1414 "903116Ee" ECHO; fprintf(yyout, " -- Preset 67 Set\n");
1415 "903116Fe" ECHO; fprintf(yyout, " -- Preset 68 Set\n");
1416 "9031170e" ECHO; fprintf(yyout, " -- Preset 69 Set\n");
1417 "9031171e" ECHO; fprintf(yyout, " -- Preset 70 Set\n");
1418 "9031172e" ECHO; fprintf(yyout, " -- Preset 71 Set\n");
1419 "9031173e" ECHO; fprintf(yyout, " -- Preset 72 Set\n");
1420 "9031174e" ECHO; fprintf(yyout, " -- Preset 73 Set\n");
1421 "9031175e" ECHO; fprintf(yyout, " -- Preset 74 Set\n");
1422 "9031176e" ECHO; fprintf(yyout, " -- Preset 75 Set\n");
1423 "9031177e" ECHO; fprintf(yyout, " -- Preset 76 Set\n");
1424 "9031178e" ECHO; fprintf(yyout, " -- Preset 77 Set\n");
1425 "9031179e" ECHO; fprintf(yyout, " -- Preset 78 Set\n");
1426 "903117Ae" ECHO; fprintf(yyout, " -- Preset 79 Set\n");
1427 "903117Be" ECHO; fprintf(yyout, " -- Preset 80 Set\n");
1428 "903117Ce" ECHO; fprintf(yyout, " -- Preset 81 Set\n");
1429 "903117De" ECHO; fprintf(yyout, " -- Preset 82 Set\n");
1430 "903117Ee" ECHO; fprintf(yyout, " -- Preset 83 Set\n");
1431 "903117Fe" ECHO; fprintf(yyout, " -- Preset 84 Set\n");
1432 "9031180e" ECHO; fprintf(yyout, " -- Preset 85 Set\n");

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1433 "9031181e" ECHO; fprintf(yyout, " -- Preset 86 Set\n");
1434 "9031182e" ECHO; fprintf(yyout, " -- Preset 87 Set\n");
1435 "9031183e" ECHO; fprintf(yyout, " -- Preset 88 Set\n");
1436 "9031184e" ECHO; fprintf(yyout, " -- Preset 89 Set\n");
1437 "9031185e" ECHO; fprintf(yyout, " -- Preset 90 Set\n");
1438 "9031186e" ECHO; fprintf(yyout, " -- Preset 91 Set\n");
1439 "9031187e" ECHO; fprintf(yyout, " -- Preset 92 Set\n");
1440 "9031188e" ECHO; fprintf(yyout, " -- Preset 93 Set\n");
1441 "9031189e" ECHO; fprintf(yyout, " -- Preset 94 Set\n");
1442 "903118Ae" ECHO; fprintf(yyout, " -- Preset 95 Set\n");
1443 "903118Be" ECHO; fprintf(yyout, " -- Preset 96 Set\n");
1444 "903118Ce" ECHO; fprintf(yyout, " -- Preset 97 Set\n");
1445 "903118De" ECHO; fprintf(yyout, " -- Preset 98 Set\n");
1446 "903118Ee" ECHO; fprintf(yyout, " -- Preset 99 Set\n");
1447 "903118Fe" ECHO; fprintf(yyout, " -- Preset 100 Set\n");
1448 "9031190e" ECHO; fprintf(yyout, " -- Preset 101 Set\n");
1449 "9031191e" ECHO; fprintf(yyout, " -- Preset 102 Set\n");
1450 "9031192e" ECHO; fprintf(yyout, " -- Preset 103 Set\n");
1451 "9031193e" ECHO; fprintf(yyout, " -- Preset 104 Set\n");
1452 "9031194e" ECHO; fprintf(yyout, " -- Preset 105 Set\n");
1453 "9031195e" ECHO; fprintf(yyout, " -- Preset 106 Set\n");
1454 "9031196e" ECHO; fprintf(yyout, " -- Preset 107 Set\n");
1455 "9031197e" ECHO; fprintf(yyout, " -- Preset 108 Set\n");
1456 "9031198e" ECHO; fprintf(yyout, " -- Preset 109 Set\n");
1457 "9031199e" ECHO; fprintf(yyout, " -- Preset 110 Set\n");
1458 "903119Ae" ECHO; fprintf(yyout, " -- Preset 111 Set\n");
1459 "903119Be" ECHO; fprintf(yyout, " -- Preset 112 Set\n");
1460 "903119Ce" ECHO; fprintf(yyout, " -- Preset 113 Set\n");
1461 "903119De" ECHO; fprintf(yyout, " -- Preset 114 Set\n");
1462 "903119Ee" ECHO; fprintf(yyout, " -- Preset 115 Set\n");
1463 "903119Fe" ECHO; fprintf(yyout, " -- Preset 116 Set\n");
1464 "90311A0e" ECHO; fprintf(yyout, " -- Preset 117 Set\n");
1465 "90311A1e" ECHO; fprintf(yyout, " -- Preset 118 Set\n");
1466 "90311A2e" ECHO; fprintf(yyout, " -- Preset 119 Set\n");
1467 "90311A3e" ECHO; fprintf(yyout, " -- Preset 120 Set\n");
1468 "90311A4e" ECHO; fprintf(yyout, " -- Preset 121 Set\n");
1469 "90311A5e" ECHO; fprintf(yyout, " -- Preset 122 Set\n");
1470 "90311A6e" ECHO; fprintf(yyout, " -- Preset 123 Set\n");
1471 "90311A7e" ECHO; fprintf(yyout, " -- Preset 124 Set\n");
1472 "90311A8e" ECHO; fprintf(yyout, " -- Preset 125 Set\n");
1473 "90311A9e" ECHO; fprintf(yyout, " -- Preset 126 Set\n");
1474 "90311AAe" ECHO; fprintf(yyout, " -- Preset 127 Set\n");
1475 "90311ABe" ECHO; fprintf(yyout, " -- Preset 128 Set\n");
1476 "90311ACe" ECHO; fprintf(yyout, " -- Preset 129 Set\n");
1477 "90311ADe" ECHO; fprintf(yyout, " -- Preset 130 Set\n");
1478 "90311AEe" ECHO; fprintf(yyout, " -- Preset 131 Set\n");
1479 "90311AFe" ECHO; fprintf(yyout, " -- Preset 132 Set\n");
1480 "90311B0e" ECHO; fprintf(yyout, " -- Preset 133 Set\n");
1481 "90311B1e" ECHO; fprintf(yyout, " -- Preset 134 Set\n");
1482 "90311B2e" ECHO; fprintf(yyout, " -- Preset 135 Set\n");
1483 "90311B3e" ECHO; fprintf(yyout, " -- Preset 136 Set\n");
1484 "90311B4e" ECHO; fprintf(yyout, " -- Preset 137 Set\n");
1485 "90311B5e" ECHO; fprintf(yyout, " -- Preset 138 Set\n");
1486 "90311B6e" ECHO; fprintf(yyout, " -- Preset 139 Set\n");
1487 "90311B7e" ECHO; fprintf(yyout, " -- Preset 140 Set\n");
1488 "90311B8e" ECHO; fprintf(yyout, " -- Preset 141 Set\n");
1489 "90311B9e" ECHO; fprintf(yyout, " -- Preset 142 Set\n");
1490 "90311BAe" ECHO; fprintf(yyout, " -- Preset 143 Set\n");
1491 "90311BBe" ECHO; fprintf(yyout, " -- Preset 144 Set\n");
1492 "90311BCe" ECHO; fprintf(yyout, " -- Preset 145 Set\n");
1493 "90311BDe" ECHO; fprintf(yyout, " -- Preset 146 Set\n");
1494 "90311BEe" ECHO; fprintf(yyout, " -- Preset 147 Set\n");
1495 "90311BFe" ECHO; fprintf(yyout, " -- Preset 148 Set\n");
1496 "90311C0e" ECHO; fprintf(yyout, " -- Preset 149 Set\n");
1497 "90311C1e" ECHO; fprintf(yyout, " -- Preset 150 Set\n");
1498 "90311C2e" ECHO; fprintf(yyout, " -- Preset 151 Set\n");
1499 "90311C3e" ECHO; fprintf(yyout, " -- Preset 152 Set\n");
1500 "90311C4e" ECHO; fprintf(yyout, " -- Preset 153 Set\n");
1501 "90311C5e" ECHO; fprintf(yyout, " -- Preset 154 Set\n");
1502 "90311C6e" ECHO; fprintf(yyout, " -- Preset 155 Set\n");
1503 "90311C7e" ECHO; fprintf(yyout, " -- Preset 156 Set\n");
1504 "90311C8e" ECHO; fprintf(yyout, " -- Preset 157 Set\n");

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1505 "90311C9e" ECHO; fprintf(yyout," -- Preset 158 Set\n");
1506 "90311CAe" ECHO; fprintf(yyout," -- Preset 159 Set\n");
1507 "90311CBe" ECHO; fprintf(yyout," -- Preset 160 Set\n");
1508 "90311CCe" ECHO; fprintf(yyout," -- Preset 161 Set\n");
1509 "90311CDe" ECHO; fprintf(yyout," -- Preset 162 Set\n");
1510 "90311CEe" ECHO; fprintf(yyout," -- Preset 163 Set\n");
1511 "90311CFe" ECHO; fprintf(yyout," -- Preset 164 Set\n");
1512 "90311D0e" ECHO; fprintf(yyout," -- Preset 165 Set\n");
1513 "90311D1e" ECHO; fprintf(yyout," -- Preset 166 Set\n");
1514 "90311D2e" ECHO; fprintf(yyout," -- Preset 167 Set\n");
1515 "90311D3e" ECHO; fprintf(yyout," -- Preset 168 Set\n");
1516 "90311D4e" ECHO; fprintf(yyout," -- Preset 169 Set\n");
1517 "90311D5e" ECHO; fprintf(yyout," -- Preset 170 Set\n");
1518 "90311D6e" ECHO; fprintf(yyout," -- Preset 171 Set\n");
1519 "90311D7e" ECHO; fprintf(yyout," -- Preset 172 Set\n");
1520 "90311D8e" ECHO; fprintf(yyout," -- Preset 173 Set\n");
1521 "90311D9e" ECHO; fprintf(yyout," -- Preset 174 Set\n");
1522 "90311DAe" ECHO; fprintf(yyout," -- Preset 175 Set\n");
1523 "90311DBe" ECHO; fprintf(yyout," -- Preset 176 Set\n");
1524 "90311Dce" ECHO; fprintf(yyout," -- Preset 177 Set\n");
1525 "90311DDe" ECHO; fprintf(yyout," -- Preset 178 Set\n");
1526 "90311DEe" ECHO; fprintf(yyout," -- Preset 179 Set\n");
1527 "90311DFe" ECHO; fprintf(yyout," -- Preset 180 Set\n");
1528 "90311E0e" ECHO; fprintf(yyout," -- Preset 181 Set\n");
1529 "90311E1e" ECHO; fprintf(yyout," -- Preset 182 Set\n");
1530 "90311E2e" ECHO; fprintf(yyout," -- Preset 183 Set\n");
1531 "90311E3e" ECHO; fprintf(yyout," -- Preset 184 Set\n");
1532 "90311E4e" ECHO; fprintf(yyout," -- Preset 185 Set\n");
1533 "90311E5e" ECHO; fprintf(yyout," -- Preset 186 Set\n");
1534 "90311E6e" ECHO; fprintf(yyout," -- Preset 187 Set\n");
1535 "90311E7e" ECHO; fprintf(yyout," -- Preset 188 Set\n");
1536 "90311E8e" ECHO; fprintf(yyout," -- Preset 189 Set\n");
1537 "90311E9e" ECHO; fprintf(yyout," -- Preset 190 Set\n");
1538 "90311EAe" ECHO; fprintf(yyout," -- Preset 191 Set\n");
1539 "90311EBe" ECHO; fprintf(yyout," -- Preset 192 Set\n");
1540 "90311ECe" ECHO; fprintf(yyout," -- Preset 193 Set\n");
1541 "90311EDe" ECHO; fprintf(yyout," -- Preset 194 Set\n");
1542 "90311EEe" ECHO; fprintf(yyout," -- Preset 195 Set\n");
1543 "90311EFe" ECHO; fprintf(yyout," -- Preset 196 Set\n");
1544 "90311F0e" ECHO; fprintf(yyout," -- Preset 197 Set\n");
1545 "90311F1e" ECHO; fprintf(yyout," -- Preset 198 Set\n");
1546 "90311F2e" ECHO; fprintf(yyout," -- Preset 199 Set\n");
1547 "90311F3e" ECHO; fprintf(yyout," -- Preset 200 Set\n");
1548 "90311F4e" ECHO; fprintf(yyout," -- Preset 201 Set\n");
1549 "90311F5e" ECHO; fprintf(yyout," -- Preset 202 Set\n");
1550 "90311F6e" ECHO; fprintf(yyout," -- Preset 203 Set\n");
1551 "90311F7e" ECHO; fprintf(yyout," -- Preset 204 Set\n");
1552 "90311F8e" ECHO; fprintf(yyout," -- Preset 205 Set\n");
1553 "90311F9e" ECHO; fprintf(yyout," -- Preset 206 Set\n");
1554 "90311FAe" ECHO; fprintf(yyout," -- Preset 207 Set\n");
1555 "90311FBe" ECHO; fprintf(yyout," -- Preset 208 Set\n");
1556 "90311FCe" ECHO; fprintf(yyout," -- Preset 209 Set\n");
1557 "90311FDe" ECHO; fprintf(yyout," -- Preset 210 Set\n");
1558 "90311FEe" ECHO; fprintf(yyout," -- Preset 211 Set\n");
1559 "90311FFe" ECHO; fprintf(yyout," -- Preset 212 Set\n");
1560 "9031200e" ECHO; fprintf(yyout," -- Preset 213 Set\n");
1561 "9031201e" ECHO; fprintf(yyout," -- Preset 214 Set\n");
1562 "9031202e" ECHO; fprintf(yyout," -- Preset 215 Set\n");
1563 "9031203e" ECHO; fprintf(yyout," -- Preset 216 Set\n");
1564 "9031204e" ECHO; fprintf(yyout," -- Preset 217 Set\n");
1565 "9031205e" ECHO; fprintf(yyout," -- Preset 218 Set\n");
1566 "9031206e" ECHO; fprintf(yyout," -- Preset 219 Set\n");
1567 "9031207e" ECHO; fprintf(yyout," -- Preset 220 Set\n");
1568 "9031208e" ECHO; fprintf(yyout," -- Preset 221 Set\n");
1569 "9031209e" ECHO; fprintf(yyout," -- Preset 222 Set\n");
1570 "903120Ae" ECHO; fprintf(yyout," -- Preset 223 Set\n");
1571 "903120Be" ECHO; fprintf(yyout," -- Preset 224 Set\n");
1572 "903120Ce" ECHO; fprintf(yyout," -- Preset 225 Set\n");
1573 "903120De" ECHO; fprintf(yyout," -- Preset 226 Set\n");
1574 "903120Ee" ECHO; fprintf(yyout," -- Preset 227 Set\n");
1575 "903120Fe" ECHO; fprintf(yyout," -- Preset 228 Set\n");
1576 "9031210e" ECHO; fprintf(yyout," -- Preset 229 Set\n");

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1577 "9031211e" ECHO; fprintf(yyout," -- Preset 230 Set\n");
1578 "9031212e" ECHO; fprintf(yyout," -- Preset 231 Set\n");
1579 "9031213e" ECHO; fprintf(yyout," -- Preset 232 Set\n");
1580 "9031214e" ECHO; fprintf(yyout," -- Preset 233 Set\n");
1581 "9031215e" ECHO; fprintf(yyout," -- Preset 234 Set\n");
1582 "9031216e" ECHO; fprintf(yyout," -- Preset 235 Set\n");
1583 "9031217e" ECHO; fprintf(yyout," -- Preset 236 Set\n");
1584 "9031218e" ECHO; fprintf(yyout," -- Preset 237 Set\n");
1585 "9031219e" ECHO; fprintf(yyout," -- Preset 238 Set\n");
1586 "903121Ae" ECHO; fprintf(yyout," -- Preset 239 Set\n");
1587 "903121Be" ECHO; fprintf(yyout," -- Preset 240 Set\n");
1588 "903121Ce" ECHO; fprintf(yyout," -- Preset 241 Set\n");
1589 "903121De" ECHO; fprintf(yyout," -- Preset 242 Set\n");
1590 "903121Ee" ECHO; fprintf(yyout," -- Preset 243 Set\n");
1591 "903121Fe" ECHO; fprintf(yyout," -- Preset 244 Set\n");
1592 "9031220e" ECHO; fprintf(yyout," -- Preset 245 Set\n");
1593 "9031221e" ECHO; fprintf(yyout," -- Preset 246 Set\n");
1594 "9031222e" ECHO; fprintf(yyout," -- Preset 247 Set\n");
1595 "9031223e" ECHO; fprintf(yyout," -- Preset 248 Set\n");
1596 "9031224e" ECHO; fprintf(yyout," -- Preset 249 Set\n");
1597 "9031225e" ECHO; fprintf(yyout," -- Preset 250 Set\n");
1598 "9031226e" ECHO; fprintf(yyout," -- Preset 251 Set\n");
1599 "9031227e" ECHO; fprintf(yyout," -- Preset 252 Set\n");
1600 "9031228e" ECHO; fprintf(yyout," -- Preset 253 Set\n");
1601 "9031229e" ECHO; fprintf(yyout," -- Preset 254 Set\n");
1602 "903122Ae" ECHO; fprintf(yyout," -- Preset 255 Set\n");
1603 "903122Be" ECHO; fprintf(yyout," -- Preset 256 Set\n");
1604
1605 "903400"[0-9A-F]"e" ECHO; fprintf(yyout," -- Focus control (903400f)\n");
1606
1607 "ER001e" ECHO; fprintf(yyout," -- Cannot execute because unknown command\n");
1608 "ER002e" ECHO; fprintf(yyout," -- Cannot execute because unknown parameter\n");
1609 "ER301e" ECHO; fprintf(yyout," -- Cannot execute depending on camera mode\n");
1610 "ER305e" ECHO; fprintf(yyout," -- Cannot answer for execution waiting\n");
1611 "ER306e" ECHO; fprintf(yyout," -- Cannot execute for execution waiting\n");
1612 "ER601e" ECHO; fprintf(yyout," -- Cannot execute depending on menu setting\n");
1613
1614 "ALMe" ECHO; fprintf(yyout," -- Alarm Information\n");
1615 "ALM:e" ECHO; fprintf(yyout," -- Alarm Information\n");
1616
1617 "QIDe" ECHO; fprintf(yyout," -- Get the Camera's ID code\n");
1618
1619 "QLDe" ECHO; fprintf(yyout," -- Get Alarm Data\n");
1620 "QLD:0e" ECHO; fprintf(yyout," -- Get Alarm Log, no\n");
1621 "QLD:1e" ECHO; fprintf(yyout," -- Get Alarm Log, not currently in alarm status\n");
1622 "QLD:2e" ECHO; fprintf(yyout," -- Get Alarm Log, currently in alarm status\n");
1623
1624 "QLMe" ECHO; fprintf(yyout," -- Get Alarm Log Mode\n");
1625 "QLM:0e" ECHO; fprintf(yyout," -- Sends Alarm Log on request\n");
1626 "QLM:1e" ECHO; fprintf(yyout," -- Sends Alarm Log every time an alarm occurs\n");
1627 "QLM:2e" ECHO; fprintf(yyout," -- Sends Alarm Log every 5 seconds\n");
1628
1629 "QRSe" ECHO; fprintf(yyout," -- Get Command and Answer formats\n");
1630 "QRS:0e" ECHO; fprintf(yyout," -- Status is: Reply ACK, Reply Answer, Reply Errors are sent\n");
1631 "QRS:1e" ECHO; fprintf(yyout," -- Status is: Reply ACK, Reply Answer, Reply Errors are sent\n");
1632 "QRS:2e" ECHO; fprintf(yyout," -- Status is: Reply ACK, No Reply Answer, Reply Errors are sent\n");
1633 "QRS:3e" ECHO; fprintf(yyout," -- Status is: Reply ACK, No Reply Answer, No Reply Errors are sent\n");
1634 "QRS:4e" ECHO; fprintf(yyout," -- Status is: No Reply ACK, Reply Answer, Reply Errors are sent\n");
1635 "QRS:5e" ECHO; fprintf(yyout," -- Status is: No Reply ACK, Reply Answer, No Reply Errors are sent\n");
1636 "QRS:6e" ECHO; fprintf(yyout," -- Status is: No Reply ACK, No Reply Answer, Reply Errors are sent\n");
1637 "QRS:7e" ECHO; fprintf(yyout," -- Status is: No Reply ACK, No Reply Answer, No Reply Errors are sent\n");
1638
1639 "RBCe" ECHO; fprintf(yyout," -- Clear Buffer Command\n");
1640
1641 "RLMe" ECHO; fprintf(yyout," -- Set Receiver Alarm Mode\n");
1642 "RLM:0e" ECHO; fprintf(yyout," -- Set Receiver Alarm Mode to send alarm log on request\n");
1643 "RLM:1e" ECHO; fprintf(yyout," -- Set Receiver Alarm Mode to send alarm log every time an alarm occurs\n");
1644 "RLM:2e" ECHO; fprintf(yyout," -- Set Receiver Alarm Mode to send alarm log every 5 seconds\n");
1645
1646 "RONe" ECHO; fprintf(yyout," -- ACK from a Suppress/enable reverse communications command\n");
1647 "RON:0e" ECHO; fprintf(yyout," -- Set for: Reply ACK, Reply Answer, Reply Errors are sent\n");
1648 "RON:1e" ECHO; fprintf(yyout," -- Set for: Reply ACK, Reply Answer, Reply Errors are sent\n");

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1649 "RON:2e" ECHO; fprintf(yyout," -- Set for: Reply ACK, No Reply Answer, Reply Errors are sent\n");
1650 "RON:3e" ECHO; fprintf(yyout," -- Set for: Reply ACK, No Reply Answer, No Reply Errors are sent\n");
1651 "RON:4e" ECHO; fprintf(yyout," -- Set for: No Reply ACK, Reply Answer, Reply Errors are sent\n");
1652 "RON:5e" ECHO; fprintf(yyout," -- Set for: No Reply ACK, Reply Answer, No Reply Errors are sent\n");
1653 "RON:6e" ECHO; fprintf(yyout," -- Set for: No Reply ACK, No Reply Answer, Reply Errors are sent\n");
1654 "RON:7e" ECHO; fprintf(yyout," -- Set for: No Reply ACK, No Reply Answer, No Reply Errors are sent\n");
1655
1656 "SRQe" ECHO; fprintf(yyout," -- Request Command, otherwise is undocumented\n");
1657
1658 [0-2]"e"$ ECHO; fprintf(yyout," -- %c\n",yytext[0]);
1659
1660 "D"[0-9A-F]{6}"e" ECHO; fprintf(yyout," -- 256 speed motion command (Dzdpptt)\n");
1661
1662 [0-9A-F]{3}"D"[0-9A-F]{3}"e" ECHO; fprintf(yyout," -- NAK return\n");
1663 [0-9A-F]{3}"E"[0-9A-F]{3}"e" ECHO; fprintf(yyout," -- ACK return\n");
1664 [0-9A-F]{3}"9"[0-9A-F]{3}"e" ECHO; fprintf(yyout," -- ACK return\n");
1665
1666 [0-9A-F]{7}"e" ECHO; fprintf(yyout," ----- Unknown value\n");
1667
1668 "e"$ ECHO; fprintf(yyout,"n");
1669 "a"$ ECHO; fprintf(yyout," -- ACK\n");
1670 "n"$ ECHO; fprintf(yyout," -- NAK\n");
1671
1672 . ECHO;
1673 \n ;
1674 %%
1675 // "2020004e" ECHO; fprintf(yyout," -- Undocumented, Answer\n");
1676 // yywrap is for End Of File processing, 1 = done
1677 int yywrap(void)
1678 {
1679     return 1;
1680 }
1681
1682 main(int argc, char *argv[])
1683 {
1684     fprintf(stderr,"$Id: PanInTrp.1,v 1.1 2008-06-10 13:27:20-07 Hamilton Exp Hamilton $\n");
1685
1686     // Do we have to deal with stdin/stdout?
1687     // 3 = one for the program name and one each for input and output names
1688     if (argc == 3) {
1689         // Nope
1690         // Get over the program, etc., name
1691         argc--;
1692         argv++;
1693         yyin = fopen(argv[0],"r");
1694         if (yyin == NULL) {
1695             fprintf(stderr,"aCould not open \"%s\" for reading, quitting",
1696                 argv[0]);
1697             exit(EXIT_FAILURE);
1698         }
1699
1700         // Now get over the input file name and get to the output file name
1701         argc--;
1702         argv++;
1703         yyout = fopen(argv[0],"w");
1704         if (yyout == NULL) {
1705             fprintf(stderr,"aCould not open \"%s\" for writing, quitting",
1706                 argv[0]);
1707             exit(EXIT_FAILURE);
1708         }
1709     }
1710     else {
1711         // Woops we are using std... type io
1712         yyin = stdin;
1713         yyout = stdout;
1714     }
1715
1716     yylex();
1717     exit(EXIT_SUCCESS);
1718 }
1719
1720 // $Log: PanInTrp.1,v $

```

```
1721 // Revision 1.1 2008-06-10 13:27:20-07 Hamilton
1722 // Initial revision
1723 //
1724 // Revision 1.6 2008-04-21 12:52:56-07 Hamilton
1725 // Normal end of day data saving
1726 //
1727 // Revision 1.5 2008-04-21 09:22:55-07 Hamilton
1728 // Normal end of day data saving
1729 //
1730 // Revision 1.4 2008-04-15 11:57:16-07 Hamilton
1731 // Normal end of day data saving
1732 //
1733 // Revision 1.3 2008-04-09 14:36:41-07 Hamilton
1734 // Normal end of day data saving
1735 //
1736 // Revision 1.2 2008-04-09 09:03:02-07 Hamilton
1737 // Normal end of day data saving
1738 //
1739 // Revision 1.1 2008-04-08 12:43:11-07 Hamilton
1740 // Initial revision
1741 //
1742 // Revision 1.10 2007-02-08 06:45:52-08 Hamilton
1743 // Normal end of day data saving
1744 //
1745
```

Index

06FEB07A.TXT, 13
4PI.l, 7

ACKDump.l, 7
ACKFix.l, 7
AtoHex.l, 7

BlIt, 7

D Protocol, 5
DCE, 7, 19, 22, 25, 29
deltas.bas, 13
Delts.bas, 9
DTE, 7, 19, 22, 25, 29
Dump53L.l, 7
DumpData.l, 7
DumpLeft.l, 7

Efreq.L, 14

FixPan, 10
FixPP, 19
fpart2.gp, 14

gnuplot, 14

IdDce002.l, 7
IdDce202.l, 7
IdDCE902.l, 7
IdDce903.l, 7
IdDceD.l, 7
IdDceMsc.l, 7
IdDceRON.l, 7
IdDte.l, 7
IdDte229.l, 7
IdDte22a.l, 7
IdDte22n.l, 7
IdDteA02.l, 7
IdDteER.l, 7
IdDteN02.l, 7
IdDteP.l, 7

JJ.bat, 9, 15
JustTime, 13
JustTime.L, 13

MakeCmndP.l, 7

MakeSecs, 9, 10, 15, 17
MakeSecX, 17

Panasonic, 3, 5, 13
Panasonic RS-485 Protocol, 5
PanClean, 17
PanDump, 22
PanHtoA, 25
PanInTrp, 29
part2, 13
part2.dat, 13
part2.frq, 14
part2.out, 13
part2.srt, 14
part2f.inc, 14
part2r.inc, 14
part2s.inc, 14

rpart2.gp, 14

spart2.gp, 14