Proj1

Part 1: Data scraping and preparation

Step 1: Scrape your competitor's data

This pipeline first reads the html from the provided url and finds the table based on the HTML node. Column names are added by using a vectpr of column names and the pipeline results in a dataframe

```
url <- "https://www.spaceweatherlive.com/en/solar-activity/top-50-solar-flares"

sf <- url %>%
  read_html() %>%
  html_node(".table-striped") %>%
  html_table() %>%
  set_colnames(c("rank", "flare_classification","date","flare_region", "start_time","m
aximum_time","end_time","movie")) %>%
  as.data.frame()
head(sf, n = 10)
```

```
rank flare classification
##
                                        date flare region start time
## 1
                           X28.0 2003/11/04
                                                      486
                                                                19:29
         2
## 2
                           X20.0 2001/04/02
                                                     9393
                                                                21:32
## 3
         3
                           X17.2 2003/10/28
                                                      486
                                                                09:51
         4
                           X17.0 2005/09/07
                                                                17:17
## 4
                                                      808
## 5
         5
                           X14.4 2001/04/15
                                                     9415
                                                                13:19
                           X10.0 2003/10/29
                                                                20:37
## 6
         6
                                                      486
## 7
         7
                            X9.4 1997/11/06
                                                     8100
                                                                11:49
         8
                            X9.3 2017/09/06
## 8
                                                     2673
                                                                11:53
         9
## 9
                            X9.0 2006/12/05
                                                      930
                                                                10:18
## 10
        10
                            X8.3 2003/11/02
                                                      486
                                                                17:03
      maximum_time end_time
                                          movie
##
             19:53
                       20:06 MovieView archive
## 1
             21:51
                       22:03 MovieView archive
## 3
             11:10
                      11:24 MovieView archive
             17:40
                      18:03 MovieView archive
## 4
## 5
             13:50
                      13:55 MovieView archive
             20:49
                       21:01 MovieView archive
## 6
## 7
             11:55
                      12:01 MovieView archive
## 8
             12:02
                      12:10 MovieView archive
## 9
             10:35
                       10:45 MovieView archive
## 10
             17:25
                       17:39 MovieView archive
```

Step 2: Tidy the top 50 solar flare data

uses the data frame from Step 1 and first drops the movie column by using the select function that keeps everything but the movie col using the minus sign operator. Then the unite function is used to create a new column based on the column vectors passed in and finally the united column is converted to a POSIXct type using type convert and using a column specification which uses a regex.

```
sf <- sf %>%
  select(-movie) %>%
  unite ("start_datetime", c("date", "start_time"), sep = " ", remove = FALSE)%>%
  unite ("max_datetime", c("date", "maximum_time"), sep = " ", remove = FALSE)%>%
  unite ("end_datetime", c("date", "end_time"), sep = " ", remove = TRUE)%>%
  type_convert(cols(start_datetime=col_datetime(format = "%Y/%m/%d %H:%M"), max_datet
  ime=col_datetime(format = "%Y/%m/%d %H:%M"), end_datetime = col_datetime(format = "%
  Y/%m/%d %H:%M")))
  head(sf, n = 10)
```

```
##
      rank flare_classification
                                      start_datetime
                                                             max datetime
## 1
                          X28.0 2003-11-04 19:29:00 2003-11-04 19:53:00
         2
## 2
                          X20.0 2001-04-02 21:32:00 2001-04-02 21:51:00
##
  3
         3
                          X17.2 2003-10-28 09:51:00 2003-10-28 11:10:00
         4
                          X17.0 2005-09-07 17:17:00 2005-09-07 17:40:00
## 4
## 5
         5
                          X14.4 2001-04-15 13:19:00 2001-04-15 13:50:00
         6
                          X10.0 2003-10-29 20:37:00 2003-10-29 20:49:00
##
  7
         7
                           X9.4 1997-11-06 11:49:00 1997-11-06 11:55:00
                           X9.3 2017-09-06 11:53:00 2017-09-06 12:02:00
## 8
         8
         9
  9
                           X9.0 2006-12-05 10:18:00 2006-12-05 10:35:00
##
## 10
                           X8.3 2003-11-02 17:03:00 2003-11-02 17:25:00
##
             end_datetime flare_region start_time maximum_time
      2003-11-04 20:06:00
                                    486
                                          19:29:00
                                                       19:53:00
## 1
      2001-04-02 22:03:00
                                   9393
                                          21:32:00
                                                       21:51:00
      2003-10-28 11:24:00
                                    486
                                          09:51:00
## 3
                                                       11:10:00
## 4
     2005-09-07 18:03:00
                                    808
                                          17:17:00
                                                       17:40:00
## 5
      2001-04-15 13:55:00
                                   9415
                                          13:19:00
                                                       13:50:00
## 6
      2003-10-29 21:01:00
                                    486
                                          20:37:00
                                                       20:49:00
## 7
     1997-11-06 12:01:00
                                   8100
                                          11:49:00
                                                       11:55:00
      2017-09-06 12:10:00
                                   2673
                                          11:53:00
                                                       12:02:00
## 8
      2006-12-05 10:45:00
                                    930
## 9
                                          10:18:00
                                                       10:35:00
## 10 2003-11-02 17:39:00
                                    486
                                          17:03:00
                                                       17:25:00
```

Step 3: Scrape the NASA data

```
## Warning: Too many values at 43 locations: 11, 28, 39, 55, 90, 98, 104, 109, ## 135, 136, 162, 163, 169, 183, 195, 196, 220, 242, 263, 264, ...
```

```
## Warning: Too few values at 13 locations: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, ## 524, 525
```

```
tail(NASA, 513) %>%
head(511)
```

									_
##		start_date	start_time	end_date	end_time	start_freq	end_freq	Location	
##	13	1997/04/01	14:00	04/01	14:15	8000	4000	S25E16	
##	14	1997/04/07	14:30	04/07	17:30	11000	1000	S28E19	
##	15	1997/05/12	05:15	05/14	16:00	12000	80	N21W08	
##	16	1997/05/21	20:20	05/21	22:00	5000	500	N05W12	
##	17	1997/09/23	21:53	09/23	22:16	6000	2000	S29E25	
##	18	1997/11/03	05:15	11/03	12:00	14000	250	S20W13	
##	19	1997/11/03	10:30	11/03	11:30	14000	5000	S16W21	
##	20	1997/11/04	06:00	11/05	04:30	14000	100	S14W33	
##	21	1997/11/06	12:20	11/07	08:30	14000	100	S18W63	
##	22	1997/11/27	13:30	11/27	14:00	14000	7000	N17E63	
##	23	1997/12/12	22:45	12/12	23:20	14000	8000	N25W52	
##	24	1998/01/25	15:03	01/25	15:18	14000	10000	N21E25	
##	25	1998/03/29	03:40	03/29	03:52	14000	7000	SW90	
##	26	1998/04/20	10:25	04/22	06:00	10000	35	S22W90	
##	27	1998/04/23	06:00	04/23	15:30	14000	200	S17E90	
##	28	1998/04/24	09:17	04/24	09:25	4700	2600	S10E90	
##	29	1998/04/27	09:20	04/27	10:00	10000	1000	S16E50	
##	30	1998/04/29	16:30	04/29	17:00	10000	2000	S18E20	
##	31	1998/05/02	14:25	05/02	14:50	5000	3000	S15W15	
##	32	1998/05/06	08:25	05/06	08:35	14000	5000	S11W65	
##	33	1998/05/09	03:35	05/09	10:00	9000	400	S14W89	
##	34	1998/05/11	21:40	05/11	22:00	10000	1000	N32W90	
##	35	1998/05/19	10:00	05/19	11:30	14000	3000	N29W46	
##	36	1998/05/27	13:30	05/27	14:20	4000	1000	N19W62	
##	37	1998/06/11	10:15	06/11	10:20	8000	4000	N16E86	
##	38	1998/06/16	18:20	06/17	21:00	12000	50	S22W90	
##	39	1998/06/20	19:39	06/20	20:00	2600	1800	Back	
##	40	1998/06/22	07:15	06/22	09:20	6000	2000	N16W46	
##	41	1998/11/02	14:00	11/02	14:40	14000	4000	S25E47	
##	42	1998/11/05	22:00	11/07	08:00	5000	50	N22W18	
##	43	1998/11/06	03:00	11/06	05:30	5000	1000	BACK	
##	44	1998/11/07	00:20	11/07	00:50	14000	6000	NE90b	
##	45	1998/11/08	11:20	11/08	11:30	10000	8000	S21W37	
##	46	1998/12/18	17:50	12/18	18:15	14000	5000	N19E64	
##	47	1999/04/24	13:50	04/24	00:00	3700	1500	NW90b	
##	48	1999/05/03	05:50	05/03	08:45	8000	200	N15E32	
##	49	1999/05/27	10:55	05/28	10:00	14000	70	W90b	
##	50	1999/06/01	18:50	06/02	09:00	14000	400	NW90b	
##	51	1999/06/04	07:05	06/05	01:00	14000	60	N17W69	
##	52	1999/06/11	11:45	06/11	17:00	14000	400	N38E90	
	53	1999/06/22		06/22	18:40	3000	2000	N22E37	
	54	1999/06/23		06/23	07:10	12000	2000	BACK	
##		1999/06/23		06/23	07:14	14000	2000	N23E42	
	56	1999/06/28		06/28	21:10	3500	1500	N22W44	
	57	1999/06/29		06/29	19:55	14000	2000	S14E01	
	58	1999/07/05		07/05	04:05	2000	1000	SW90b	
##	59	1999/08/28	18:25	08/28	18:33	16000	12000	S26W14	
()									

##	60	1999/09/03	03:00	09/03	04:10	2000	1000	S36W24
##	61	1999/09/10	07:30	09/10	07:35	5500	2000	NW90b
##	62	1999/10/14	09:10	10/14	10:00	14000	4000	N11E32
##	63	1999/10/17	23:27	10/17	23:33	11500	10000	N03E38
##	64	1999/11/16	03:27	11/16	03:48	7000	4000	N17E38
##	65	1999/11/16	05:17	11/16	05:34	14000	7000	N08W39
##	66	2000/01/18	17:31	01/18	22:00	14000	500	S19E11
##	67	2000/01/28	20:20	01/28	20:24	2200	1100	S31W17
##	68	2000/02/05	19:34	02/05	19:34	5800	2900	N26E52
	69	2000/02/08	09:05	02/11	02:20	12000	20	N25E26
	70	2000/02/10	01:55	02/10	02:00	14000	8000	N31E04
	71	2000/02/12	03:55	02/12	09:20	4000	400	N26W23
	72	2000/02/17	20:42	02/18	22:12	14000	100	S29E07
	73	2000/02/17	09:44	02/18	09:54	2000	1200	NW90b
	74	2000/02/10	13:50	03/02	14:03	14000	6000	S20W58
	7 4 75	2000/03/02	16:24	03/02	16:48	14000	4500	S22E77
	76 77	2000/03/27	06:56	03/27	06:58	14000	10000	S00E90
	77	2000/04/04	15:45	04/04	16:00	14000	9000	N16W66
	78	2000/04/09	23:15	04/09	23:45	4500	1000	S14W01
	79	2000/04/18	15:00	04/18	16:00	14000	6000	S50W30
	80	2000/05/04	11:10	05/04	13:00	6500	1000	S17W87
	81	2000/05/05	16:35	05/05	17:30	14000	2500	S17W87
	82	2000/05/07	21:15	05/07	24:00	14000	500	W90b
	83	2000/05/12	23:34	05/12	23:42	14000	7000	E90b
##	84	2000/05/15	16:47	05/16	14:00	4800	40	S24W67
##	85	2000/06/02	22:00	06/02	22:15	14000	8000	N16E60
##	86	2000/06/06	15:20	06/08	09:00	14000	40	N20E18
##	87	2000/06/10	17:15	06/10	18:45	10000	1000	N22W38
##	88	2000/06/15	19:52	06/15	19:56	5000	2500	N20W65
##	89	2000/06/17	03:00	06/17	04:15	14000	1000	N22W72
##	90	2000/06/19	01:19	06/19	01:22	3800	1900	N42E60
##	91	2000/06/23	14:40	06/22	15:05	14000	2000	N26W72
##	92	2000/06/25	08:10	06/25	09:00	12000	2500	N16W55
##	93	2000/07/10	22:00	07/10	23:30	14000	1000	N18E49
##	94	2000/07/11	13:00	07/11	13:30	12000	1000	N18E27
##	95	2000/07/12	20:05	07/12	20:35	6000	1000	N19W61
	96	2000/07/14	10:30	07/15	14:30	14000	80	N22W07
	97	2000/07/22	11:45	07/22	12:45	14000	2000	N14W56
	98	2000/08/11	11:35	08/11	11:59	2800	2000	NW90b
	99	2000/09/12	12:00	09/13	12:20	14000	60	S19W06
		2000/09/12	18:15	09/12	19:00	2000	1000	NE90b
		2000/09/16	04:30	09/16	10:30	14000	400	N14W07
		2000/09/19	08:45	09/19	10:20	12000	1500	N14W46
		2000/09/15	02:20	09/25	03:00	14000	1000	N09W18
		2000/03/23	22:10	10/05	22:35	5000	1250	N25W90
		2000/10/03	07:10	10/03	08:00	14000	1000	NØ3W9Ø
		2000/10/16	07.10 09:30	10/15	24:00	10000	300	N09W63
		2000/10/23	18:35	10/23	18:45	4000	2500	N02W02
		2000/11/03						
##	TAQ	2000/11/08	23:20	11/09	12:00	4000	200	N10W77

#:	# 109	2000/11/09	16:15	11/11	04:00	10000	40	S11E10
#:	# 110	2000/11/12	14:25	11/12	14:40	3000	2000	S14E05
#:	# 111	2000/11/23	08:16	11/23	08:35	14000	9000	S26W40
#:	# 112	2000/11/23	21:00	11/23	21:06	3500	3000	S20E60
#:	# 113	2000/11/24	05:10	11/24	15:00	14000	100	N20W05
#:	# 114	2000/11/24	15:25	11/24	22:00	14000	200	N22W07
#:	# 115	2000/11/24	22:24	11/24	22:36	4000	3000	N21W14
#	# 116	2000/11/25	01:25	11/25	02:25	14000	3000	N07E50
#:	# 117	2000/11/25	19:00	11/25	19:35	6000	2000	N20W23
		2000/11/25	19:55	11/25	20:25	13000	4000	N20W27
		2000/11/26	17:00	11/26	17:15	14000	7000	N18W38
		2000/12/28	12:40	12/28	13:38	14000	1900	Back
		2001/01/20	19:12	01/20	19:16	14000	6000	S07E40
		2001/01/20	21:30	01/20	24:00	14000	500	S07E46
		2001/01/26	12:06	01/26	14:20	14000	400	S23W57
		2001/01/28	15:45	01/28	17:00	14000	200	S04W59
		2001/01/28	01:40	01/28	01:55	12000	5500	N24W57
		2001/02/11						
			04:18	03/10	04:32	14000	4000	N27W42
		2001/03/12	05:35	03/12	05:45	3000	1500	BACK
		2001/03/27	02:35	03/27	03:15	6000	1000	N14E17
		2001/03/27	15:00	03/27	15:20	4000	1500	N15E14
		2001/03/29	10:12	03/30	06:00	4000	60	N20W19
		2001/04/02	11:30	04/02	12:00	14000	5000	N20W70
		2001/04/02	22:05	04/03	02:30	14000	250	N19W72
		2001/04/03	03:40	04/03	07:25	14000	400	S21E83
		2001/04/04	09:50	04/04	10:10	13000	3000	S21E68
		2001/04/05	00:00	04/05	00:00	14000	7500	N14W85
		2001/04/06	19:35	04/07	01:50	14000	230	S21E31
		2001/04/09	15:53	04/10	01:00	12000	100	S21W04
#:	# 138	2001/04/10	05:24	04/10	24:00	14000	100	S23W09
#	# 139	2001/04/11	13:15	04/11	14:15	14000	1500	S22W27
#:	# 140	2001/04/12	10:20	04/12	10:40	14000	7000	S19W43
#:	# 141	2001/04/15	14:05	04/16	13:00	14000	40	S20W85
#	# 142	2001/04/18	02:55	04/18	14:00	1000	100	SW90b
#	# 143	2001/04/26	12:40	04/28	05:00	5000	20	N20W05
#	# 144	2001/05/07	12:00	05/07	13:50	2000	280	NW90b
#:	# 145	2001/05/12	23:52	05/13	00:12	3000	1000	S17E00
#:	# 146	2001/05/30	00:25	05/30	01:38	14000	1000	E90b
#	# 147	2001/06/15	10:50	06/15	11:15	7000	3000	S26E41
#	# 148	2001/06/15	16:05	06/15	16:20	14000	3500	W90b
#:	# 149	2001/08/16	00:10	08/15	08:40	5400	200	Back
#:	# 150	2001/08/25	16:50	08/25	23:00	8000	170	S17E34
		2001/08/30	20:43	08/30	20:47	12000	10000	N15E44
		2001/09/03	18:48	09/03	19:00	12000	7500	S23E90
		2001/09/15	11:50	09/15	12:05	14000	6000	S21W49
		2001/09/16	13:50	09/16	14:10	3000	2000	S13E15
		2001/09/17	08:35	09/17	08:47	14000	5400	S14E04
		2001/09/20	18:43	09/20	18:57	14000	10000	N09W11
		2001/09/24	10:45	09/25	20:00	7000	30	S16E23
11	/	2001/05/24	10.75	05/25	20.00	,000	50	510125

	2001/09/27	08:15	09/28	07:00	4000	80	S15W40
	2001/10/01	07:00	10/01	18:30	1000	150	S24W81
	2001/10/05	11:35	10/05	12:55	1400	500	SW90b
## 161	2001/10/09	11:15	10/09	16:00	8000	200	S28E08
## 162	2001/10/09	11:20	10/09	11:55	14000	2000	S28E08
## 163	2001/10/09	13:10	10/09	23:00	5000	50	BACK
# 164	2001/10/19	01:15	10/19	02:25	14000	1300	N16W18
## 165	2001/10/19	16:45	10/21	16:40	14000	30	N15W29
## 166	2001/10/22	15:15	10/22	17:40	8000	1200	S21E18
## 167	2001/10/25	15:30	10/27	23:00	14000	30	S16W21
## 168	2001/11/04	16:30	11/06	11:00	14000	70	N06W18
# 169	2001/11/17	05:35	11/17	06:40	11000	1700	S13E42
# 170	2001/11/22	20:50	11/22	22:23	8000	1000	S25W67
	2001/11/22	22:40	11/24	02:30	14000	40	S17W36
	2001/12/11	12:45	12/11	17:00	4500	750	SW90b
	2001/12/25	11:25	12/25	12:40	14000	1000	SE90b
	2001/12/25	05:20	12/27	05:00	14000	150	NØ8W54
	2001/12/28	20:35	12/27	03:00	14000	350	S26E90
	2001/12/28		12/29		3000		BACK
	2001/12/29	20:45	01/09	21:05 24:00	14000	1500	NE90b
		18:30				90	
	2002/01/14	06:25	01/14	21:30	12000	100	S28W83
	2002/01/27	12:49	01/27	13:25	14000	3000	Back?
	2002/02/01	19:23	02/01	19:31	14000	11000	BACK
	2002/02/21	12:35	02/21	12:50	4000	1500	N16W79
	2002/03/11	00:00	03/11	00:15	14000	8000	S11E90
	2002/03/12	00:00	03/12	02:20	14000	2200	S15E45
	2002/03/15	22:45	03/15	23:30	14000	6000	S08W03
# 185	2002/03/17	06:00	03/17	06:35	3000	1000	S20E24
# 186	2002/03/18	02:55	03/18	05:35	14000	1000	S15W22
# 187	2002/03/22	11:30	03/22	12:40	14000	500	S09W90
## 188	2002/03/22	13:10	03/22	13:35	3000	2000	S00W90
## 189	2002/04/10	12:59	04/10	13:02	13000	12000	N15W14
# 190	2002/04/14	07:50	04/14	08:10	14000	8000	N19W57
## 191	2002/04/15	03:35	04/15	04:15	11000	1500	S15W01
## 192	2002/04/17	08:30	04/19	04:00	5000	40	S14W34
# 193	2002/04/21	01:30	04/21	24:00	10000	60	S14W84
# 194	2002/04/30	14:15	04/30	14:23	4000	2500	S16E77
## 195	2002/04/30	22:30	04/30	23:20	2000	500	W90b
# 196	2002/05/02	23:50	05/03	00:10	2800	900	E90b
	2002/05/16	01:50	05/16	03:30	9000	2000	S22E01
	2002/05/22	00:00	05/22	00:30	14000	8000	S25W64
	2002/05/27	12:50	05/27	13:50	14000	5000	N18E18
	2002/07/07	11:35	07/07	20:00	14000	200	S19W90
	2002/07/09	19:46	07/09	20:40	1000	650	W90b
	2002/07/05	21:15	07/16	05:00	5000	175	N19W01
	2002/07/17	07:30	07/17	07:45	3500	2000	N21W17
	2002/07/17	07:55	07/17	07.45 08:45	14000	1500	N19W30
	2002/07/18	20:55	07/18	21:40	6000	3000	E90b
	2002/07/18						
## 200	2002/0//19	16:40	07/19	17:10	5000	1000	S15E90

		2002/07/20	21:30	07/20	22:20	10000	2000	SE90b
##	208	2002/07/23	00:50	07/23	04:00	11000	400	S13E72
##	209	2002/07/26	22:27	07/26	23:30	14000	2000	S19E26
##	210	2002/07/29	12:10	07/29	12:45	4200	1300	N10W15
##	211	2002/08/03	19:20	08/03	20:30	14000	2000	S16W76
##	212	2002/08/14	02:20	08/14	24:00	1000	30	N09W54
##	213	2002/08/16	06:15	08/16	09:30	14000	300	N07W83
##	214	2002/08/16	12:20	08/17	21:00	14000	60	S14E20
##	215	2002/08/24	01:45	08/24	03:25	5000	400	S02W81
##	216	2002/09/05	16:55	09/07	16:22	14000	30	N09E28
		2002/09/10	15:19	09/10	16:00	14000	8500	S10E43
		2002/09/27	13:35	09/27	14:30	14000	8000	N13E45
		2002/10/13	18:10	10/13	18:40	14000	4000	S07W54
		2002/10/14	00:19	10/14	02:00	1700	500	S13E75
		2002/10/14	14:35	10/14	16:50	14000	1200	NE90b
		2002/10/14		10/14	01:20	14000	300	SE90b
			23:06					
		2002/11/09	13:20	11/10	03:00	14000	100	S12W29
		2002/11/10	03:20	11/10	06:00	3000	300	S12W37
		2002/11/11	16:15	11/11	17:50	14000	600	S13W60
		2002/11/24	20:05	11/24	20:45	14000	7000	N20E35
		2002/12/19	21:45	12/19	22:30	14000	1500	N15W09
		2002/12/22	04:20	12/22	04:50	5500	3500	N23W42
		2003/01/20	19:10	01/20	20:00	14000	6000	N34W26
##	230	2003/01/27	22:20	01/27	22:26	11000	8000	S17W23
##	231	2003/03/18	12:25	03/18	13:45	4500	500	S15W46
##	232	2003/03/18	13:55	03/18	14:10	14000	7000	S90b
##	233	2003/03/19	02:30	03/19	03:15	14000	6000	SW90b
##	234	2003/04/22	07:25	04/22	08:22	3500	700	NE90b
##	235	2003/05/27	23:12	05/27	23:45	14000	2000	S07W17
##	236	2003/05/28	01:00	05/29	00:30	1000	200	S06W21
##	237	2003/05/29	01:10	05/29	08:00	13000	200	S06W37
##	238	2003/05/31	03:00	05/31	08:00	1000	150	S07W65
		2003/06/05	00:00	06/05	00:00	????	????	W90b
		2003/06/16	00:00	06/16	03:00	14000	400	S07E80
		2003/06/17	22:50	06/18	05:30	10000	200	S08E59
		2003/07/10	14:10	07/10	16:10	4000	400	N13W90
		2003/08/19	11:15	08/19	12:00	14000	1000	S10W57
		2003/10/21	04:10	10/21	04:55	5000	1000	SE90b
		2003/10/26	07:00	10/26	09:15	8000	1500	S15E44
		2003/10/26	17:45	10/26	19:40	14000	1500	N02W38
		2003/10/28	11:10	10/29	24:00	14000	40	S16E08
		2003/10/20	20:55	10/29	24:00	11000	500	S15W02
		2003/10/23	22:55	11/02	00:50	14000	2000	S12W60
		2003/11/01	00:00	11/02	00:00	3333	????	SW90b
		2003/11/02	17:30	11/02	01:00	12000	250	S14W56
		2003/11/03	01:15	11/03	01:25	3000	1500	N10W83
		2003/11/03	10:00	11/03	12:30	6000	400	N08W77
		2003/11/04	00:00	11/04	00:00	????	????	Back?
##	255	2003/11/04	20:00	11/04	24:00	10000	200	S19W83

## 255 2003/11/10								
## 258 2003/11/13			00:00	11/09	00:00	3333	3333	E90b
## 259 2003/11/17								
## 260 2003/11/18								
## 261 2003/11/18	## 25	9 2003/11/17	09:05	11/17	09:20	4000	1500	
## 262 2003/12/02	## 26	0 2003/11/18	00:00	11/18	00:00	3333	3333	N00E18
## 263 2004/01/05	## 26	1 2003/11/18	10:15	11/18	11:30	5000	2000	S16E90
### 264 2004/01/06	## 26	2 2003/12/02	11:00	12/02	12:00	14000	9000	S14W70
## 265 2004/01/07	## 26	3 2004/01/05	03:40	01/05	03:50	9000	2500	S12E38
### 266 2004/01/07	## 26	4 2004/01/06	00:00	01/06	00:00	14000	2000	N05E90
### 267 2004/04/06	## 26	5 2004/01/07	04:15	01/07	06:15	14000	750	N02E82
## 268 2004/04/08	## 26	6 2004/01/07	10:35	01/07	11:35	14000	1500	N06E75
## 269 2004/04/08	## 26	7 2004/04/06	13:05	04/06	16:00	8000	300	S18E15
## 270 2004/04/11 04:20 04/11 05:35 14000 500 \$14W47 ## 271 2004/06/02 23:13 06/02 23:55 14000 2100 W90b ## 272 2004/06/03 16:48 06/03 17:10 12000 5000 W90b ## 273 2004/06/04 07:50 06/04 09:55 14000 2500 W90b ## 274 2004/06/22 22:07 06/22 22:30 10000 7000 \$12W24 ## 275 2004/06/23 06:30 06/23 08:55 14000 2500 N04W05 \$0900 \$12W24 ## 275 2004/07/23 19:00 07/23 19:35 10000 2500 N04W05 \$0900 \$12W4 \$272 2004/07/23 19:00 07/23 19:35 10000 2500 N04W05 \$12 272 2004/07/25 15:00 07/26 22:25 1000 28 N08W33 \$12 277 2004/07/29 13:20 07/30 20:30 1000 50 N00W90 \$12 2004/07/31 07:10 07/31 11:30 1000 200 N05W89 \$12 2004/07/31 07:10 07/31 11:30 1000 7000 BACK \$12 2004/09/13 07:10 07/31 11:30 1000 7000 BACK \$12 2004/09/12 00:45 09/13 21:00 14000 40 N03E49 \$12 2004/09/19 17:15 09/19 18:15 14000 2500 N03W58 \$12 2004/10/24 03:12 10/24 03:21 14000 8000 N11E19 \$12 2004/01/30 06:40 10/30 07:40 4000 1000 N13W22 \$12 2004/10/30 06:40 10/30 07:40 4000 1000 N13W22 \$12 2004/11/01 05:55 11/01 07:25 3000 400 W90b \$12 2004/11/03 06:40 10/30 07:40 4000 1000 N09943 \$12 282 2004/11/03 15:55 11/03 16:30 14000 3400 N099849 \$12 282 2004/11/03 03:35 11/03 04:10 2000 1200 N09965 \$12 2004/11/07 16:25 11/08 20:00 14000 60 N09W17 \$12 282 2004/11/09 17:35 11/09 18:10 14000 60 N09W49 \$12 282 2004/11/09 17:35 11/09 18:10 14000 60 N09W49 \$12 2004/12/03 00:07 12/04 04:30 10000 60 N08W02 \$12 2004/12/03 00:07 12/04 04:30 10000 40 N09W49 \$12 2004/12/03 00:07 12/04 04:30 10000 40 N09W49 \$	## 26	8 2004/04/08	10:25	04/08	12:50	3000	500	S15W11
## 271 2004/06/02	## 26	9 2004/04/08	13:30	04/08	14:00	6000	3000	S19W08
## 271 2004/06/02	## 27	0 2004/04/11	04:20	04/11	05:35	14000	500	S14W47
### 272 2004/06/03	## 27	1 2004/06/02		06/02		14000	2100	W90b
## 273 2004/06/04						12000		
### 274 2004/06/22								
### 275 2004/06/23								
### 276 2004/07/23				•				
### 277 2004/07/25								
### 278 2004/07/29								
### 279 2004/07/31								
### 280 2004/08/08								
### 281 2004/09/12								
### 282 2004/09/19								
### 283 2004/10/24								
### 284 2004/10/30								
## 285 2004/11/01								
## 286 2004/11/03								
## 287 2004/11/03								
## 288 2004/11/06								
## 289 2004/11/07								
## 290 2004/11/09								
## 291 2004/11/10 02:25 11/10 03:40 14000 1000 N09W49 ## 292 2004/12/03 00:07 12/04 04:30 10000 60 N08W02 ## 293 2004/12/08 20:05 12/08 20:10 14000 8000 N08W03 ## 294 2004/12/29 16:35 12/29 17:00 14000 4500 N04E62 ## 295 2004/12/30 23:45 12/31 04:20 5000 700 N04E46 ## 296 2005/01/01 00:45 01/01 02:25 14000 450 N06E34 ## 297 2005/01/04 11:20 01/04 11:35 13000 6000 N05W11 ## 298 2005/01/15 06:15 01/15 09:30 14000 250 N16E04 ## 299 2005/01/17 09:25 01/17 16:00 14000 30 N15W25 ## 300 2005/01/19 09:20 01/19 00:00 5300 40 N15W51 ## 302 2005/01/17 10:00 01/17 10:35 6100 1500 N15W25 ## 303 2005/01/20 07:15 01/20 16:30 14000 25 N14W61								
## 292 2004/12/03				-				
## 293 2004/12/08 20:05 12/08 20:10 14000 8000 N08W03 ## 294 2004/12/29 16:35 12/29 17:00 14000 4500 N04E62 ## 295 2004/12/30 23:45 12/31 04:20 5000 700 N04E46 ## 296 2005/01/01 00:45 01/01 02:25 14000 450 N06E34 ## 297 2005/01/04 11:20 01/04 11:35 13000 6000 N05W11 ## 298 2005/01/15 06:15 01/15 09:30 14000 250 N16E04 ## 299 2005/01/15 23:00 01/15 00:00 3000 40 N15W05 ## 300 2005/01/17 09:25 01/17 16:00 14000 30 N15W25 ## 301 2005/01/19 09:20 01/19 00:00 5300 40 N15W51 ## 302 2005/01/17 10:00 01/17 10:35 6100 1500 N15W25 ## 303 2005/01/20 07:15 01/20 16:30 14000 25 N14W61								
## 294 2004/12/29 16:35 12/29 17:00 14000 4500 N04E62 ## 295 2004/12/30 23:45 12/31 04:20 5000 700 N04E46 ## 296 2005/01/01 00:45 01/01 02:25 14000 450 N06E34 ## 297 2005/01/04 11:20 01/04 11:35 13000 6000 N05W11 ## 298 2005/01/15 06:15 01/15 09:30 14000 250 N16E04 ## 299 2005/01/15 23:00 01/15 00:00 3000 40 N15W05 ## 300 2005/01/17 09:25 01/17 16:00 14000 30 N15W25 ## 301 2005/01/19 09:20 01/19 00:00 5300 40 N15W51 ## 302 2005/01/17 10:00 01/17 10:35 6100 1500 N15W25 ## 303 2005/01/20 07:15 01/20 16:30 14000 25 N14W61								
## 295 2004/12/30 23:45 12/31 04:20 5000 700 N04E46 ## 296 2005/01/01 00:45 01/01 02:25 14000 450 N06E34 ## 297 2005/01/04 11:20 01/04 11:35 13000 6000 N05W11 ## 298 2005/01/15 06:15 01/15 09:30 14000 250 N16E04 ## 299 2005/01/15 23:00 01/15 00:00 3000 40 N15W05 ## 300 2005/01/17 09:25 01/17 16:00 14000 30 N15W25 ## 301 2005/01/19 09:20 01/19 00:00 5300 40 N15W51 ## 302 2005/01/17 10:00 01/17 10:35 6100 1500 N15W25 ## 303 2005/01/20 07:15 01/20 16:30 14000 25 N14W61								
## 296 2005/01/01 00:45 01/01 02:25 14000 450 N06E34 ## 297 2005/01/04 11:20 01/04 11:35 13000 6000 N05W11 ## 298 2005/01/15 06:15 01/15 09:30 14000 250 N16E04 ## 299 2005/01/15 23:00 01/15 00:00 3000 40 N15W05 ## 300 2005/01/17 09:25 01/17 16:00 14000 30 N15W25 ## 301 2005/01/19 09:20 01/19 00:00 5300 40 N15W51 ## 302 2005/01/17 10:00 01/17 10:35 6100 1500 N15W25 ## 303 2005/01/20 07:15 01/20 16:30 14000 25 N14W61								
## 297 2005/01/04 11:20 01/04 11:35 13000 6000 N05W11 ## 298 2005/01/15 06:15 01/15 09:30 14000 250 N16E04 ## 299 2005/01/15 23:00 01/15 00:00 3000 40 N15W05 ## 300 2005/01/17 09:25 01/17 16:00 14000 30 N15W25 ## 301 2005/01/19 09:20 01/19 00:00 5300 40 N15W51 ## 302 2005/01/17 10:00 01/17 10:35 6100 1500 N15W25 ## 303 2005/01/20 07:15 01/20 16:30 14000 25 N14W61								
## 298 2005/01/15 06:15 01/15 09:30 14000 250 N16E04 ## 299 2005/01/15 23:00 01/15 00:00 3000 40 N15W05 ## 300 2005/01/17 09:25 01/17 16:00 14000 30 N15W25 ## 301 2005/01/19 09:20 01/19 00:00 5300 40 N15W51 ## 302 2005/01/17 10:00 01/17 10:35 6100 1500 N15W25 ## 303 2005/01/20 07:15 01/20 16:30 14000 25 N14W61								
## 299 2005/01/15 23:00 01/15 00:00 3000 40 N15W05 ## 300 2005/01/17 09:25 01/17 16:00 14000 30 N15W25 ## 301 2005/01/19 09:20 01/19 00:00 5300 40 N15W51 ## 302 2005/01/17 10:00 01/17 10:35 6100 1500 N15W25 ## 303 2005/01/20 07:15 01/20 16:30 14000 25 N14W61			11:20		11:35	13000	6000	N05W11
## 300 2005/01/17 09:25 01/17 16:00 14000 30 N15W25 ## 301 2005/01/19 09:20 01/19 00:00 5300 40 N15W51 ## 302 2005/01/17 10:00 01/17 10:35 6100 1500 N15W25 ## 303 2005/01/20 07:15 01/20 16:30 14000 25 N14W61							250	N16E04
## 301 2005/01/19 09:20 01/19 00:00 5300 40 N15W51 ## 302 2005/01/17 10:00 01/17 10:35 6100 1500 N15W25 ## 303 2005/01/20 07:15 01/20 16:30 14000 25 N14W61	## 29	9 2005/01/15	23:00	01/15	00:00	3000	40	N15W05
## 302 2005/01/17	## 30	0 2005/01/17	09:25	01/17	16:00	14000	30	N15W25
## 303 2005/01/20 07:15 01/20 16:30 14000 25 N14W61	## 30	1 2005/01/19	09:20	01/19	00:00	5300	40	N15W51
	## 30	2 2005/01/17	10:00	01/17	10:35	6100	1500	N15W25
## 304 2005/02/01 11:40 02/01 11:50 8000 4000 BACK	## 30	3 2005/01/20	07:15	01/20	16:30	14000	25	N14W61
	## 30	4 2005/02/01	11:40	02/01	11:50	8000	4000	BACK

##	305	2005/05/02	22:40	03/02	23:00	14000	5500	S05E90
##	306	2005/05/03	00:20	03/03	01:10	14000	1500	S05E90
##	307	2005/05/06	17:52	05/06	18:03	5000	4000	S09E29
##	308	2005/05/13	17:00	05/13	02:10	5000	40	N12E11
##	309	2005/05/17	03:20	05/17	03:35	4500	1500	BACK
##	310	2005/06/03	12:50	06/03	15:00	10000	270	N15E90
##	311	2005/06/16	20:25	06/16	21:40	9000	1000	N08W90
##	312	2005/07/07	16:30	07/07	16:40	4000	2000	N09E03
##	313	2005/07/09	22:15	07/09	23:00	14000	600	N12W28
##	314	2005/07/13	14:15	07/13	15:05	14000	1000	N11W90
		2005/07/14	11:00	07/14	12:54	3000	800	N11W90
		2005/07/17	11:50	07/17	13:45	7000	300	BACK
		2005/07/24	13:50	07/24	22:30	14000	150	BACK
		2005/07/24	22:35	07/24	22:40	1000	700	BACK
		2005/07/27	05:20	07/27	06:45	1000	450	N11E90
		2005/07/27	07:45	07/27	08:30	2500	1000	NE90b
		2005/07/27	07:43 07:40	07/27	20:00	9000	80	N12E60
		2005/07/30	14:15	08/01	14:50	14000	4500	N13E32
		2005/08/01				8000	4500 550	
			01:30	08/22	03:35			S11W54
		2005/08/22	17:15	08/23	13:00	12000	40	S13W65
		2005/08/23	15:00	08/23	19:30	13000	400	S14W90
		2005/08/29	11:10	08/29	11:14	10000	6000	BACK
		2005/08/31	11:40	08/31	12:10	6000	800	N13W13
		2005/08/31	22:10	08/31	23:00	14000	6000	BACK
		2005/09/03	03:20	09/03	05:15	2000	500	BACK
		2005/09/05	10:40	09/06	00:00	1500	60	S07E81
		2005/09/07	18:05	09/08	00:00	12000	200	S11E77
		2005/09/09	19:45	09/09	22:00	10000	50	S12E67
		2005/09/10	21:45	09/10	01:00	14000	300	S13E47
		2005/09/11	13:10	09/11	15:15	3000	350	S16E39
##	335	2005/09/13	20:20	09/15	06:00	1100	35	S09E10
##	336	2006/04/30	16:20	05/02	01:00	1000	200	S09E08
##	337	2006/07/06	08:45	07/06	17:18	14000	300	S09W34
##	338	2006/08/16	15:45	08/16	22:15	14000	400	S16W08
##	339	2006/08/26	20:40	08/26	21:00	7000	2000	S10E08
##	340	2006/11/05	17:35	11/05	19:20	14000	400	E90b
##	341	2006/11/06	10:35	11/06	11:05	14000	6000	E90b
##	342	2006/11/06	17:45	11/06	19:25	4000	300	E90b
##	343	2006/12/05	10:50	12/05	20:00	14000	250	S07E68
##	344	2006/12/06	02:00	12/06	03:30	1000	200	S07E69
##	345	2006/12/06	08:30	12/06	09:45	4000	600	S04E63
##	346	2006/12/06	19:00	12/08	24:00	16000	30	S05E64
##	347	2006/12/13	02:45	12/13	10:40	12000	150	S06W23
##	348	2006/12/14	22:30	12/14	23:40	14000	1500	S06W46
		2007/01/25	06:55	01/25	23:30	14000	90	S08E90
		2007/05/19	13:02	05/19	13:05	16000	13000	N07W06
		2007/12/31	01:05	12/31	01:22	16000	6000	S08E81
		2008/03/25	19:05	03/25	19:20	12000	800	S13E78
		2008/04/26	14:23	04/26	14:39	7600	4900	N08E09
		/ / 9	= · · ••	, ==				

##	354	2010/08/01	09:20	08/01	17:30	2000	700	N20E36
##	355	2010/08/07	18:35	08/07	19:50	14000	700	N11E34
##	356	2010/08/18	06:05	08/18	07:45	13000	700	N18W88
##	357	2011/01/13	09:15	01/13	10:05	16000	3500	E90b
##	358	2011/01/27	12:20	01/27	12:35	16000	8000	N12W87
##	359	2011/02/13	17:50	02/13	18:00	16000	8000	S20E04
##	360	2011/02/15	02:10	02/15	07:00	16000	400	S20W12
##	361	2011/02/24	12:50	02/24	15:10	1000	700	N15E87
##	362	2011/03/07	14:30	03/07	15:00	16000	7000	N10E18
##	363	2011/03/07	20:00	03/08	08:30	16000	200	N31W53
##	364	2011/05/09	21:00	05/10	04:00	16000	900	N16E88
##	365	2011/05/29	21:10	05/30	13:40	16000	90	S19E72
##	366	2011/06/02	08:00	06/02	08:25	15000	4000	S19E25
##	367	2011/06/04	07:00	06/04	13:45	16000	300	W90b
		2011/06/04	22:00	06/07	01:30	16000	25	W90b
		2011/06/07	06:45	06/07	18:00	16000	250	S21W54
		2011/08/02	06:15	08/02	07:30	16000	3000	N14W15
		2011/08/04	04:15	08/05	17:00	13000	60	N19W36
		2011/08/08	18:10	08/08	20:10	6000	400	N16W61
		2011/08/09	08:20	08/09	08:35	16000	4000	N17W69
		2011/09/06	02:00	09/06	23:40	14000	200	N14W07
		2011/09/06	22:30	09/07	15:40	16000	150	N14W18
		2011/09/22	11:05	09/22	24:00	14000	70	N09E89
		2011/09/24	12:50	09/24	22:45	16000	300	N10E56
		2011/09/25	05:30	09/25	06:00	16000	8000	N11E47
		2011/10/21	13:15	10/21	13:50	16000	6500	N05W79
		2011/11/09	13:30	11/09	17:00	16000	400	N24E35
		2011/11/26	07:15	11/27	24:00	10000	50	N17W49
		2011/11/20	03:00	12/21	08:15	16000	400	BACK
		2011/12/25	18:45	12/25	18:55	14000	7000	S22W26
		2011/12/23	15:00	01/02	15:45	16000	4000	BACK
		2012/01/02		01/02	02:45	16000	100	N32E22
		2012/01/19	04:00	01/20	15:00		40	
		2012/01/23	18:30	01/24	04:45	16000 16000		N28W21
			18:30 04:00				150 400	N27W71
		2012/03/05		03/05	12:20	16000	400	N17E52
		2012/03/07	01:00 04:10	03/08	19:00	16000	30 1000	N17E27
		2012/03/09	04:10	03/09	06:05	14000		N15W03
		2012/03/10	17:55	03/11	12:30	14000	30	N17W24
		2012/03/13	17:35	03/13	24:00	16000	200	N17W66
		2012/03/18	00:20	03/18	01:20	16000	200	BACK
		2012/03/24	00:40	03/24	10:40	16000	300	BACK
		2012/03/26	23:15	03/26	23:55	16000	1500	BACK
		2012/03/27	21:45	03/27	22:30	4000	1500	BACK
		2012/04/09	12:20	04/09	13:00	16000	5000	N20W65
		2012/04/15	02:30	04/15	02:50	16000	4000	N10E90
		2012/05/17	01:40	05/17	06:20	16000	300	N11W76
		2012/07/04	17:00	07/04	17:20	14000	8000	N14W34
		2012/07/05	22:40	07/05	23:50	3000	800	S12W46
##	402	2012/07/06	23:10	07/07	03:40	16000	300	S13W59

##	403	2012/07/08	16:35	07/08	22:00	16000	300	S17W74
##	404	2012/07/12	16:45	07/13	09:00	14000	250	S15W01
##	405	2012/07/17	14:40	07/18	05:00	12000	150	S28W65
##	406	2012/07/19	05:30	07/19	06:20	5000	600	S13W88
##	407	2012/07/23	02:30	07/23	21:40	16000	20	S17W132
##	408	2012/08/31	20:00	08/31	23:45	16000	400	S25E59
##	409	2012/09/27	23:55	09/28	10:15	16000	250	N06W34
##	410	2012/10/22	01:50	10/22	11:15	1000	200	S10E76
##	411	2013/01/16	22:00	01/17	01:30	1000	200	S33W64
##	412	2013/03/15	07:00	03/15	21:30	14000	100	N11E12
##	413	2013/04/11	07:10	04/11	15:00	10000	200	N09E12
##	414	2013/04/18	18:00	04/18	19:10	16000	4000	N11W83
##	415	2013/04/21	20:25	04/21	22:12	14000	1700	S19W53
##	416	2013/05/13	02:20	05/13	03:00	16000	2000	N11E90
##	417	2013/05/13	16:15	05/13	19:10	16000	300	N11E85
##	418	2013/05/14	01:16	05/14	02:35	16000	700	NØ8E77
		2013/05/15	01:49	05/15	07:30	16000	250	N12E64
##	420	2013/05/22	13:10	05/24	06:00	16000	150	N15W70
##	421	2013/06/21	03:35	06/21	05:15	14000	2000	S16E73
##	422	2013/06/28	01:53	06/28	03:26	14000	400	S18W19
##	423	2013/07/04	20:57	07/04	21:27	11000	2900	S14E62
##	424	2013/08/06	02:01	08/06	02:11	14000	11000	N27E25
##	425	2013/08/17	20:25	08/18	03:05	1800	150	S05W30
		2013/08/30	02:34	08/31	04:00	14000	50	N15E46
##	427	2013/09/06	22:29	09/06	22:34	5000	2000	N10E104
##	428	2013/09/29	21:53	09/30	21:00	14000	60	N17W29
##	429	2013/10/02	20:46	10/02	21:10	10000	5200	N20W85
		2013/10/05	07:00	10/05	14:46	16000	200	S22E118
##	431	2013/10/11	07:23	10/11	11:43	14000	100	N21E103
##	432	2013/10/13	18:47	10/14	05:15	2100	600	
##	433	2013/10/22	21:33	10/22	22:08	14000	650	N04W01
##	434	2013/10/25	15:08	10/25	22:32	16000	200	S06E69
		2013/10/26	03:01	10/26	04:00	14000	200	N09W44
		2013/10/26	09:34	10/26	10:10	14000	5000	N08W49
		2013/10/27	18:12	10/27	18:36	14000	1700	N06W70
		2013/10/28	04:41	10/28	11:51	14000	200	N08W71
		2013/10/28	15:24	10/28	15:29	14000	9000	S06E28
		2013/11/04	05:10	11/04	08:00	16000	450	N03W165
		2013/11/07	10:26	11/07	20:40	16000	100	N02E151
##	442	2013/11/19	10:39	11/19	20:20	14000	100	S14W70
		2013/11/29	22:18	11/30	09:20	1800	100	N06W183
		2013/12/05	12:45	12/05	13:00	4200	1600	S20E119
		2013/12/05	20:48	12/05	21:35	14000	2500	
		2013/12/07	07:43	12/07	08:36	14000	3000	S16W49
		2013/12/12	03:55	12/12	21:30	12000	70	S23W46
		2013/12/20	08:23	12/20	13:24	1500	400	
		2013/12/28	17:31	12/28	18:05	16000	500	S15W125
		2014/01/04	17:41	01/04	18:47	9000	100	
		2014/01/04	19:03	01/05	09:00	6500	100	
		, - , - ,		,				

## 452 2014/01/06									
## 454 2014/01/20									
## 455 2014/02/18									
## 456 2014/02/20 08:05 02/20 08:29 12000 7700 \$15W73 ## 457 7014/02/25 00:56 02/25 11:28 14000 100 \$13E82 ## 458 2014/03/04 18:24 03/04 20:10 16000 2000 N13M170 ## 459 2014/03/05 13:33 03/05 17:10 16000 500 N14F180 ## 460 2014/03/25 07:52 03/25 11:30 1700 400 \$23M130 ## 461 2014/03/29 06:12 03/29 00:48 14000 2200 N11W123 ## 462 2014/03/29 06:12 03/29 00:48 14000 2200 \$08M152 ## 463 2014/04/02 13:42 04/03 08:10 14000 60 N1E53 ## 464 2014/04/02 13:42 04/03 08:10 14000 60 N1E53 ## 465 2014/04/02 18:49 04/03 08:10 14000 1000 N13E26 \$2014/04/02 18:49 04/03 06:40 2400 200 ## 465 2014/04/02 18:49 04/03 06:40 2400 200 ## 465 2014/04/02 08:40 05/07 23:18 16000 200 N1E53 ## 466 2014/05/08 03:21 05/08 05:26 16000 11000 N1E53 ## 468 2014/05/08 03:21 05/08 05:26 16000 11000 \$09M108 ## 471 2014/05/08 03:21 05/08 05:26 16000 1000 \$11M125 ## 472 2014/05/10 04:32 05/10 08:37 16000 400 \$11M136 ## 471 2014/05/10 04:32 05/10 08:37 16000 400 \$11M136 ## 471 2014/06/10 12:58 06/10 15:00 16000 1000 \$17E82 ## 473 2014/06/12 12:58 06/10 15:00 16000 1000 \$17E82 ## 473 2014/06/12 12:58 06/12 22:35 14000 6000 \$20W55 ## 473 2014/08/22 10:37 08/22 11:18 14000 6000 N12E61 ## 475 2014/08/25 15:20 08/25 16:00 1000 150 \$10E11 ## 475 2014/08/25 15:20 08/25 16:00 1000 150 \$10E11 ## 475 2014/08/25 15:20 08/25 16:00 1000 150 \$10E11 ## 475 2014/08/25 20:43 08/25 21:00 14000 7200 N07W34 ## 487 2014/08/25 20:43 08/25 21:00 14000 7200 N07W34 ## 487 2014/09/01 11:12 09/01 22:35 16000 600 N12E61 ## 479 2014/09/01 17:45 09/11 12:00 14000 7000 \$11M129 ## 488 2014/09/02 05:10 09/20 05:30 14000 9700 \$11M129 ## 488 2014/09/20 05:10 09/20 05:30 14000 9700 \$11M129 ## 488 2014/09/10 17:45 09/11 12:00 14000 100 N13E179 ## 488 2014/09/10 17:45 09/11 12:00 14000 100 N13E179 ## 488 2014/09/10 17:45 09/11 12:00 14000 9700 \$11M129 ## 489 2014/09/11 12:33 10/21 13:01 14000 900 \$1000 \$11E33 ## 489 2014/10/02 21:34 10/02 21:56 3300 1900 \$11M127 ## 488 2014/10/02 21:34 10/02 21:56 3300 1900 \$11M127 ## 488 2014/10/02 21:34 10/02 21:56 3300 1900 \$11E15 ## 489 20									
## 457 2014/02/25						02:51	2000		S24W43
## 458 2014/03/04				08:05	02/20	08:29	12000	7700	S15W73
## 459 2014/03/05	## 4	157	2014/02/25	00:56	02/25	11:28	14000	100	S13E82
## 460 2014/03/25	## 4	158	2014/03/04	18:24	03/04	20:10	16000	2000	N13W170
## 461 2014/03/29	## 4	159	2014/03/05	13:33	03/05	17:10	16000	500	N14E180
## 462 2014/03/29	## 4	160	2014/03/25	07:52	03/25	11:30	1700	400	S23W130
## 463 2014/04/02	## 4	161	2014/03/29	00:12	03/29	00:48	14000	2200	N11W23
## 464 2014/04/02	## 4	162	2014/03/29	17:59	03/30	09:58	14000	200	S08W152
## 465 2014/04/04	## 4	163	2014/04/02	13:42	04/03	08:10	14000	60	N11E53
## 466 2014/04/18	## 4	164	2014/04/02	18:49	04/03	06:40	2400	200	
## 467 2014/05/07	## 4	165	2014/04/04	14:02	04/04	14:07	14000	11000	N13E26
## 467 2014/05/07	## 4	166	2014/04/18	13:05	04/18	22:50	14000	150	S20W34
## 468 2014/05/08							16000	200	
## 469 2014/05/09									S09W108
## 470 2014/05/10									
## 471 2014/06/10									
## 472 2014/06/12									
### 473 2014/07/30									
## 474 2014/08/01									
# 475 2014/08/22									
# 476 2014/08/25									
# 477 2014/08/25									
# 478 2014/08/28									
# 479 2014/09/01									
# 480 2014/09/09									
# 481 2014/09/10									
# 482 2014/09/20									
# 483 2014/09/22									
# 484 2014/09/23					-				
## 485 2014/09/24									
## 486 2014/10/02									
## 487 2014/10/10									
## 488 2014/10/21									
## 489 2014/11/08 16:57 11/08 17:18 14000 7800 W90b ## 490 2014/12/13 14:27 12/13 14:51 14000 3900 W90b ## 491 2014/12/17 04:09 12/17 04:19 2900 2100 S11E33 ## 492 2014/12/17 05:00 12/17 05:09 14000 11500 S20E09 ## 493 2014/12/18 22:31 12/18 22:54 5100 1300 S11E15 ## 494 2014/12/21 12:05 12/21 12:28 14000 7400 S14W25 ## 495 2015/03/03 02:33 03/03 02:37 8100 3600 W90b ## 496 2015/03/06 08:00 03/06 11:30 4700 200 S20E87 ## 497 2015/03/10 00:10 03/10 00:27 14000 6200 S18E45 ## 498 2015/03/11 10:30 03/11 14:50 1000 250 S15E23 ## 499 2015/03/24 09:00 03/06 11:47 14000 400 SW90b									
## 490 2014/12/13									
## 491 2014/12/17									
## 492 2014/12/17									
## 493 2014/12/18 22:31 12/18 22:54 5100 1300 S11E15 ## 494 2014/12/21 12:05 12/21 12:28 14000 7400 S14W25 ## 495 2015/03/03 02:33 03/03 02:37 8100 3600 W90b ## 496 2015/03/06 08:00 03/06 11:30 4700 200 S20E87 ## 497 2015/03/10 00:10 03/10 00:27 14000 6200 S18E45 ## 498 2015/03/11 10:30 03/11 14:50 1000 250 S15E23 ## 499 2015/03/24 09:00 03/06 11:47 14000 400 SW90b									
## 494 2014/12/21 12:05 12/21 12:28 14000 7400 S14W25 ## 495 2015/03/03 02:33 03/03 02:37 8100 3600 W90b ## 496 2015/03/06 08:00 03/06 11:30 4700 200 S20E87 ## 497 2015/03/10 00:10 03/10 00:27 14000 6200 S18E45 ## 498 2015/03/11 10:30 03/11 14:50 1000 250 S15E23 ## 499 2015/03/24 09:00 03/06 11:47 14000 400 SW90b					-				
## 495 2015/03/03 02:33 03/03 02:37 8100 3600 W90b ## 496 2015/03/06 08:00 03/06 11:30 4700 200 S20E87 ## 497 2015/03/10 00:10 03/10 00:27 14000 6200 S18E45 ## 498 2015/03/11 10:30 03/11 14:50 1000 250 S15E23 ## 499 2015/03/24 09:00 03/06 11:47 14000 400 SW90b				22:31	12/18	22:54			S11E15
## 496 2015/03/06	## 4	194	2014/12/21	12:05	12/21	12:28	14000	7400	
## 497 2015/03/10 00:10 03/10 00:27 14000 6200 S18E45 ## 498 2015/03/11 10:30 03/11 14:50 1000 250 S15E23 ## 499 2015/03/24 09:00 03/06 11:47 14000 400 SW90b				02:33	03/03	02:37	8100	3600	W90b
## 498 2015/03/11 10:30 03/11 14:50 1000 250 S15E23 ## 499 2015/03/24 09:00 03/06 11:47 14000 400 SW90b	## 4	196	2015/03/06	08:00	03/06	11:30	4700	200	S20E87
## 499 2015/03/24 09:00 03/06 11:47 14000 400 SW90b	## 4	197	2015/03/10	00:10	03/10	00:27	14000	6200	S18E45
	## 4	198	2015/03/11	10:30	03/11	14:50	1000	250	S15E23
## 500 2015/04/26	## 4	199	2015/03/24	09:00	03/06	11:47	14000	400	SW90b
	## 5	500	2015/04/26	03:21	04/26	03:33	8000	4600	W90b

		2015/05/05				23:14	14000		N15E79
		2015/05/12			=	03:04	14000	6400	W90b
		2015/06/09				22:35	2300		S03E25
##	504	2015/06/14	e	95:26	06/14	05:41	3000	1250	S12W34
##	505	2015/06/18	1	L7:42	06/18	19:40	3700	500	N15E50
##	506	2015/06/21	6	02:33	06/21	21:20	5500	150	N12E13
##	507	2015/06/22	1	L8:20	06/22	21:55	14000	300	N12W08
##	508	2015/06/25	6	98:35	06/25	16:30	14000	150	N09W42
##	509	2015/07/01	1	L6:08	07/01	20:47	1000	150	W90b
##	510	2015/08/22	e	07:07	08/22	07:18	14000	7300	S15E13
##	511	2015/09/18	6	94:54	09/18	09:52	14000	400	S21W10
##	512	2015/09/20	1			01:46	14000	300	S20W24
		2015/11/04				15:14			N09W04
		2015/11/09				13:27	14000		S11E41
		2015/12/16			=	08:57	5300		S13W04
		2015/12/13				01:23			S22E63
		2015/12/28				21:45	14000		S23W11
		2015/12/28			-				
					-	03:08	1100		S25W82
		2016/02/05				23:31	1650	500	
		2016/02/05			-	22:55	5200		
		2016/05/04				14:34	14000		N06W61
		2016/05/24				20:50	1500		
	523	2016/08/15				18:28			
##		NOAA Impor							
##	13	8026	M1.3	04/01	15:18	74	79	312	PHTX
#	14	8027	C6.8	04/07	14:27	Halo	360	878	PHTX
##	15	8038	C1.3	05/12	05:30	Halo	360	464	PHTX
##	16	8040	M1.3	05/21	21:00	263	165	296	PHTX
##	17	8088	C1.4	09/23	22:02	133	155	712	PHTX
##	18	8100	C8.6	11/03	05:28	240	109	227	PHTX
##	19	8100	M4.2	11/03	11:11	233	122	352	PHTX
##	20	8100	X2.1	11/04	06:10	Halo	360	785	PHTX
##	21	8100	X9.4	11/06	12:10	Halo	360	1556	PHTX
##		8113	X2.6	11/27				441	PHTX
##	23	8116	B9.4	12/13				191	
##		8141	C1.1	01/25				693	
##				03/29				1397	
##		8194	M1.4	04/20				1863	
##		8210	X1.2		05:55				
##		8210	C8.9		08:55			1184	
##		8210	X1.0	04/27				1385	
##		8210	M6.8	04/29				1374	
	31	8210	X1.1	05/02				938	
##		8210	X2.7	05/06				1099	
##		8210	M7.7	05/09					
##		8214	B6.6	05/11					
##		8222	B7.9	05/19				801	
##		8226	C7.5	05/27				878	
##	37	8243	M1.4	06/11	10:28	123	177	1223	PHTX

	8232	M1.0	06/16					PHTX
## 39			06/20	18:20	Halo	360	964	PHTX
## 40	8243	C2.9	06/22	05:01	265	59	206	PHTX
## 41	8373	C4.4	11/02	14:18	116	169	661	PHTX
## 42	8375	M8.4	11/05	20:44	Halo	360	1118	PHTX
## 43			11/06	02:18	159	>160	405	PHTX
## 44		C1.0	11/07	01:54	296	19	381	PHTX
## 45		C5.9	11/08		264	196	559	PHTX
	8415	M8.0	12/18	18:09	Halo	360	1749	PHTX
## 47			04/24	13:31	Halo	360	1495	PHTX
## 48	8525	M4.4	05/03	06:06	Halo	360	1584	PHTX
			05/27			360		PHTX
					Halo		1691	
## 50			06/01	19:37	Halo	360	1772	PHTX
# 51	8552	M3.9	06/04		289	150	2230	PHTX
## 52		C8.8	06/11	11:26	35	>181	1569	PHTX
## 53	8592	M1.7	06/22		Halo	360	1133	PHTX
## 54			06/23		264		450	PHTX
## 55	8596	M1.7	06/23	07:31	Halo	360	1006	PHTX
## 56	8592	C3.5	06/28	21:30	336	>184	903	PHTX
## 57	8603	M1.6	06/29	19:54	Halo	360	560	PHTX
## 58	8603	C7.6	07/05	02:54	284	190	670	PHTX
## 59	8674	X1.1	08/28	18:26	120	245	462	PHTX
## 60	8679	C2.1	09/03		184	175	512	PHTX
## 61			09/10		18	125	1467	PHTX
## 62	8731	X1.8	10/14	09:26	Halo	360	1250	PHTX
# 63			10/18		40	87	247	PHTX
# 64	8766	M3.8	11/16	03:06	81	98	636	PHTX
## 65	8759	M1.8	11/16		285	129	712	PHTX
# 66	8831	M3.9				360	739	PHTX
## 67 +# 68	8841	C4.7	01/28		Halo	360 76	1177	PHTX
## 68	8858	X1.2	02/05		60	76	632	PHTX
## 69	8858	M1.3					1079	
## 70	8858	C7.3		02:30	Halo	360		PHTX
## 71	8858	M1.7	02/12		Halo		1107	PHTX
## 72	8872	M1.3	02/17		Halo	360	728	PHTX
# 73		C1.1	02/18	09:54	286	118	890	PHTX
## 74	8882	M6.5	03/02	13:54	235	76	835	PHTX
## 75	8906	M1.2	03/07	16:30	120	108	644	PHTX
## 76	8932	C2.3	03/27	07:31	129	90	487	PHTX
## 77	8933	C9.7	04/04	16:32	Halo	360	1188	PHTX
## 78	8948	M3.1	04/10	00:30	Halo	360	409	PHTX
## 79	altr	FILA	04/18	14:54	195	105	668	PHTX
# 80	8970	M6.8	05/04	11:26	235	>170	1404	PHTX
# 81	8970	M1.5	05/05	15:50	Halo	360	1594	PHTX
## 82			05/07		Halo	360	1781	PHTX
## 83			05/12		Halo	360	2604	PHTX
## 84	8993	C7.8	05/12		257		1212	PHTX
## 85		M7.6	06/02					
	9026				69 Halo	104	547	PHTX
## 86	9026	X2.3	06/06	15:54	Halo	360	1119	PHIX

	87	9026		06/10					
##	88	9041	M1.8	06/15	20:06	298	116	1081	PHTX
##	89	9041	M3.5	06/17	03:28	298	133	857	PHTX
##	90			06/18	21:30	8	49	459	PHTX
##	91	9042	M3.0	06/23	14:54	282	>198	847	PHTX
##	92	9046	M1.9	06/25	07:54	262	165	1617	PHTX
##	93	9077	M5.7	07/10	21:50	67	>289	1352	PHTX
##		9077	X1.0	07/11		Halo		1078	PHTX
##		9070	M1.5	07/12		281		820	PHTX
##		9077		07/14				1674	PHTX
		9085	M3.7	07/14			>229	1230	
					07:31			1071	PHTX
		DSF	M1.0	09/12		Halo		1550	PHTX
				09/12		Halo		1053	PHTX
		9165	M5.9	09/16		Halo		1215	PHTX
		9165		09/19			76	766	PHTX
	103	9169	M1.8		02:50	Halo		587	PHTX
##	104	9177		10/05	18:26	323	86	1046	PHTX
##	105	9182	M2.5	10/16	07:27	Halo	360	1336	PHTX
##	106	9199	C4.0	10/25	08:26	Halo	360	770	PHTX
##	107	9213	C3.2	11/03	18:26	Halo	360	291	PHTX
##	108	9213	M7.4	11/08	23:06	271	>170	1738	PHTX
	109	9221	M1.0						
		9227		11/12				581	
	111	9238	C5.4	11/23				492	PHTX
	112	9239	C7.9	11/23		124		1198	PHTX
	113	9236	X2.0	11/24		Halo		1289	PHTX
	114	9236	X2.3	11/24		Halo		1245	PHTX
		9236	X1.8		22:06	Halo		1005	PHTX
		9240	M8.2			Halo		2519	PHTX
		9236	X1.9		19:31			671	PHTX
	118				21:30			388	
			X4.0						PHTX
				12/28		Halo		930	PHTX
		9313	M1.2	01/20		Halo		839	PHTX
		9313	M7.7	01/20	21:30	Halo	360	1507	PHTX
##	123	9320	C1.6	01/26	12:06	276	176	928	PHTX
##	124	9313	M1.5	01/28	15:54	Halo	360	916	PHTX
##	125	9346	C6.5	02/11	01:31	Halo	360	1183	PHTX
##	126	9368	M6.7	03/10	04:26	297	81	819	PHTX
##	127			03/12	05:50	233	48	829	PHTX
##	128	9393	C7.3	03/27		154	60	300	PHTX
		9393	C5.6	03/27	17:06	46	66	340	PHTX
		9393	X1.7	03/29		Halo	360	942	PHTX
		9393	X1.1	04/02		270		992	PHTX
		9393	X20.	04/02		261	244	2505	PHTX
		9415	X1.2	04/02		108	292	1613	PHTX
	134	9415	M1.6	04/04		86	89	1065	PHTX
##	135	9393	M8.4	04/05	09:06	283	205	1750	PHIX

## 136 9415		06 19:30	Halo	360		PHTX
## 137 9415	M7.9 04/	09 15:54	Halo	360	1192	PHTX
## 138 9415	X2.3 04/	10 05:30	Halo	360	2411	PHTX
## 139 9415	M2.3 04/	11 13:31	Halo	360	1103	PHTX
## 140 9415	X2.0 04/	12 10:31	Halo	360	1184	PHTX
## 141 9415	X14. 04/	15 14:06	245	167	1199	PHTX
## 142	C2.2 04/	18 02:30	Halo	360	2465	PHTX
## 143 9433	M1.5 04/	26 12:30	Halo	360	1006	PHTX
## 144	05/	07 12:06	286	205	1223	PHTX
## 145 9455	M3.0 05/	13 02:21	190	132	527	PHTX
## 146 9481	05/	30 00:06	70	216	2087	PHTX
## 147 9502	M6.3 06/	15 10:31	185	119	1090	PHTX
## 148	06/	15 15:56	Halo	360	1701	PHTX
## 149	08/	15 23:54	Halo	360	1575	PHTX
## 150 9591	X5.3 08/	25 16:50	Halo	360	1433	PHTX
## 151 9601	M3.0 08/	30 21:26	82	76	351	PHTX
## 152 9607	M2.5 09/	03 18:35	127	207	1352	PHTX
## 153 9608	M1.5 09/	15 11:54	263	130	478	PHTX
## 154 9616		16 14:30	131	68	584	PHTX
## 155 9616	M1.5 09/	17 08:54	198	166	1009	PHTX
## 156 9631	M1.5 09/	20 19:31	306	207	446	PHTX
## 157 9632	X2.6 09/	24 10:30	Halo	360	2402	PHTX
## 158 EP	C9.5 09/	27 08:06	224	138	669	PHTX
## 159 9628		01 05:30	Halo	360	1405	PHTX
## 160		05 10:30	Halo		1537	PHTX
## 161 9653		09 11:30	Halo		973	PHTX
## 162 9653	-	:				PHTX
## 163		:				PHTX
## 164 9661		19 01:27		360	558	PHTX
## 165 9661	•	19 16:50	Halo	360	901	PHTX
## 166 9672			Halo	360	1336	PHTX
		25 15:26			1092	PHTX
## 168 9684	X1.0 11/		Halo	360		PHTX
## 169 9704		17 05:30	Halo	360	1379	PHTX
## 170 9698	M3.8 11/		Halo	360	1443	PHTX
## 171 9704	M9.9 11/		Halo	360	1437	PHTX
## 172	12/		263	121	891	PHTX
## 173	12/		Halo	360	1773	PHTX
## 174 9742	M7.1 12/		281	>212	1446	PHTX
## 175 9756	X3.4 12/		Halo	360	2216	PHTX
## 176	12/		297		819	PHTX
## 177	01/		Halo	360	1794	PHTX
## 178 9772	M4.4 01/		Halo	360	1492	PHTX
## 179	01/		Halo	360	1136	PHTX
## 180	02/		350	89	448	PHTX
## 181 9825	M3.9 02/		275	108	358	PHTX
## 182 9866	M2.3 03/		Halo	360	1429	PHTX
## 183	M5.0 03/		Halo	360	950	PHTX
## 184 9866			Halo	360		PHTX
ππ 104 3000	1.17.5 62/	23.00	11010	300	937	1 111 / A

## 185		C3.1				56		PHTX
## 186		M1.0	03/18		Halo	360	989	PHTX
## 187	9866	M1.6	03/22	11:06	Halo	360	1750	PHTX
## 188	9866	M1.6	03/22	12:30	243	120	875	PHTX
## 189	9893	M8.2	04/10	13:27	340	159	650	PHTX
## 196	9893	C9.6	04/14	07:50	323	76	757	PHTX
## 191	9906	M1.2	04/15	03:50	Halo	360	720	PHTX
## 192	9906	M2.6	04/17	08:26	Halo	360	1240	PHTX
## 193	9906	X1.5	04/21	01:27	Halo	360	2393	PHTX
## 194	9934	C3.2	04/30	14:26	92	90	618	PHTX
## 195	;		04/30	23:26	254	199	1103	PHTX
## 196	9937		05/02		119	99	902	PHTX
## 197		C4.5	05/16		Halo	360	600	PHTX
## 198		C9.7	05/22		230	186	1246	PHTX
## 199			05/27		49	>161	1106	PHTX
	10017		07/07				1423	PHTX
						360	1076	PHTX
	10030		07/03		14	>188	1300	PHTX
	10030		/		36	177	716	PHTX
						360	1099	
	10030	X1.8	07/18		Halo			PHTX
	10036		07/18		Halo	360	2191	PHTX
			07/19		Halo	360	2047	PHTX
	10039				Halo	360	1941	PHTX
	10039		07/23		Halo	360	2285	PHTX
	10039	M8.7	07/26		Halo	360	818	PHTX
	FILA		07/29		13	>236	562	PHTX
	10039	X1.0	08/03	19:31	259	138	1150	PHTX
## 212	10061	M2.3	08/14	02:30	297	133	1309	PHTX
## 213	10061	M2.4	08/16	06:06	293	162	1378	PHTX
## 214	10069	M5.2	08/16	12:30	Halo	360	1585	PHTX
## 215	10069	X3.1	08/24	01:27	Halo	360	1913	PHTX
## 216	10102	C5.2	09/05	16:54	Halo	360	1748	PHTX
## 217	10105	M2.9	09/10	15:30	127	38	273	PHTX
## 218	3 10134	M1.8	09/27	13:56	64	64	591	PHTX
## 219	10150	C4.7	10/13	19:35	252	141	373	PHTX
## 226	10159	M2.2	10/13	23:54	107	264	1009	PHTX
## 221		C4.5	10/14	14:54	Halo	360	1694	PHTX
## 222	2		10/27	23:18	Halo	360	2115	PHTX
## 223	10180	M4.6	11/09		Halo	360	1838	PHTX
	10180	M2.4	11/10	03:30	203	282	1670	PHTX
	10180		11/11		212	93	1083	PHTX
	5		11/24	20:30	Halo	360	1077	PHTX
	7 10229		12/19	22:06	Halo	360	1092	PHTX
	3 10223		12/22	03:30	328	272	1071	PHTX
	FILA	C1.7	01/20		315	105	733	PHTX
	FILA	C2.4	01/27		205	267	1053	PHTX
	10314		01/27	12:30	263	207	1601	PHTX
	2		03/18	13:54	Halo	360	1042	PHTX
	3							
## 233	,		03/19	02:30	Halo	360	1342	PHTX

## 235 10365										
## 236 10365	## 2	34			04/22	07:36	87		918	PHTX
## 237 10365	## 2	35	10365	X1.3	05/27	23:50	Halo	360	964	PHTX
## 238 10365	## 2	36	10365	X3.6	05/28	00:50	Halo	360	1366	PHTX
## 239	## 2	37	10365	X1.2	05/29	01:27	Halo	360	1237	PHTX
## 240 10386	## 2	38	10365	M9.3	05/31	02:30	Halo	360	1835	PHTX
## 240 10386	## 2	39			06/05	20:06	230	239	1458	PHTX
## 241 10386	## 2	40	10386	X1.3						PHTX
## 242 10397										
### 243 10431										
### 244										
### 245 10486										
### 246 10484										
### 247 10486										
## 248 10486										
## 249 10486										
### 250 11/02 09:30 Halo 360 2036 PHTX ### 251 10486 X8.3 11/02 17:30 Halo 360 2598 PHTX ### 252 10488 X2.7 11/03 01:59 304 65 827 PHTX ## 253 10488 X3.9 11/03 10:06 293 103 1420 PHTX ## 255 10486 X28. 11/04 12:06 Halo 360 2657 PHTX ## 255 10486 X28. 11/04 19:54 Halo 360 2657 PHTX ## 256 11/09 06:30 Halo 360 2008 PHTX ## 257 10486 X28. 11/04 19:54 Halo 360 2008 PHTX ## 257 10486 X28. 11/104 19:54 Halo 360 2008 PHTX ## 257 11/11 02:30 Halo 360 2008 PHTX ## 258 10501 M1.4 11/13 09:30 49 217 1141 PHTX ## 259 10501 M4.2 11/17 09:26 72 >242 1061 PHTX ## 250 10501 M3.9 11/18 08:50 Halo 360 1600 PHTX ## 260 10501 M3.9 11/18 08:50 Halo 360 1600 PHTX ## 261 10508 M4.5 11/18 09:50 95 >197 1824 PHTX ## 262 10508 C7.2 12/02 10:50 261 >150 1393 PHTX ## 264 10537 M5.8 01/06 08:53 88 166 1469 PHTX ## 265 10537 M4.5 01/07 04:06 78 171 1581 PHTX ## 266 10537 M8.3 01/07 10:30 81 182 1822 PHTX ## 267 10588 M2.4 04/06 13:31 Halo 360 1368 PHTX ## 267 10588 M2.4 04/06 13:31 Halo 360 1368 PHTX ## 267 10588 M2.4 04/06 13:31 Halo 360 1068 PHTX ## 267 10588 M2.4 04/06 13:31 Halo 360 1068 PHTX ## 267 10588 C7.4 04/08 10:30 Halo 360 1068 PHTX ## 270 10588 C7.4 04/08 10:30 Halo 360 1068 PHTX ## 271 06/02 23:15 287 136 1102 PHTX ## 272 06/03 16:50 303 179 1226 PHTX ## 273 06/02 23:15 287 136 1102 PHTX ## 274 10635 C1.7/ PHTX ## 275 10635 C2.5/ PHTX ## 277 10652 M1.1 07/23 19:31 209 100 874 PHTX ## 277 10652 M1.1 07/25 14:54 Halo 360 1333 PHTX ## 277 10652 M1.1 07/25 14:54 Halo 360 1333 PHTX ## 277 10652 M1.1 07/25 14:54 Halo 360 1338 PHTX ## 278 10652 C2.1 07/29 12:06 Halo 360 1004 PHTX ## 279 10652 C8.4 07/31 05:64 259 >197 1192 PHTX ## 279 10652 C8.4 07/31 05:64 259 >197 1192 PHTX ## 278 10652 M4.8 09/12 00:36 Halo 360 1328 PHTX ## 278 10652 M4.8 09/12 00:36 Halo 360 1328 PHTX										
### 251 10486										
### 252 10488	## 2	50							2036	PHTX
### 253 10488	## 2	51	10486	X8.3	11/02	17:30	Halo	360	2598	PHTX
### 254	## 2	52	10488	X2.7	11/03	01:59	304	65	827	PHTX
### 255 10486	## 2	53	10488	X3.9	11/03	10:06	293	103	1420	PHTX
### 255 10486	## 2	54			11/04	12:06	Halo	360	1208	PHTX
### 256 11/09 06:30 Halo 360 2008 PHTX ### 257 11/11 02:30 Halo 360 1359 PHTX ### 258 10501 M1.4 11/13 09:30 49 217 1141 PHTX ### 259 10501 M4.2 11/17 09:26 72 >242 1061 PHTX ### 260 10501 M3.9 11/18 08:50 Halo 360 1660 PHTX ### 261 10508 M4.5 11/18 09:50 95 >197 1824 PHTX ### 262 10508 C7.2 12/02 10:50 261 >150 1393 PHTX ### 263 10536 M6.9/ PHTX ### 264 10537 M5.8 01/06 08:53 88 166 1469 PHTX ### 265 10537 M4.5 01/07 04:06 78 171 1581 PHTX ### 266 10537 M8.3 01/07 10:30 81 182 1822 PHTX ### 267 10588 M2.4 04/06 13:31 Halo 360 1368 PHTX ### 268 10588 C7.4 04/08 10:30 Halo 360 1068 PHTX ### 270 10588 C1.3 04/08 13:31 198 92 959 PHTX ### 271 06/02 23:15 287 136 1102 PHTX ### 272 06/03 16:50 303 179 1226 PHTX ### 273 10652 C4.1 07/23 19:31 209 100 874 PHTX ### 275 10655 C2.5/ PHTX ### 277 10652 M1.1 07/25 14:54 Halo 360 1360 1333 PHTX ### 279 10652 C8.4 07/31 05:54 259 >197 1192 PHTX ### 279 10652 C8.4 07/31 05:54 259 >197 1192 PHTX ### 279 10652 C8.4 07/31 05:54 259 >197 1192 PHTX ### 279 10652 C8.4 07/31 05:54 259 >197 1192 PHTX ### 281 10672 M4.8 09/12 00:36 Halo 360 1360 1328 PHTX ### 281 10672 M4.8 09/12 00:36 Halo 360 1328 PHTX	## 2	55	10486	X28.	11/04	19:54			2657	PHTX
## 257										
## 258 10501 M1.4 11/13 09:30 49 217 1141 PHTX ## 259 10501 M4.2 11/17 09:26 72 >242 1061 PHTX ## 260 10501 M3.9 11/18 08:50 Halo 360 1660 PHTX ## 261 10508 M4.5 11/18 09:50 95 >197 1824 PHTX ## 262 10508 C7.2 12/02 10:50 261 >150 1393 PHTX ## 263 10536 M6.9/ PHTX ## 264 10537 M5.8 01/06 08:53 88 166 1469 PHTX ## 265 10537 M4.5 01/07 04:06 78 171 1581 PHTX ## 266 10537 M8.3 01/07 10:30 81 182 1822 PHTX ## 267 10588 M2.4 04/06 13:31 Halo 360 1368 PHTX ## 268 10588 C7.4 04/08 10:30 Halo 360 1068 PHTX ## 270 10588 C9.6 04/11 04:30 203 314 1645 PHTX ## 271 06/02 23:15 287 136 1102 PHTX ## 272 06/03 16:50 303 179 1226 PHTX ## 273 06/04 07:50 309 >273 1306 PHTX ## 275 10635 C2.5/ PHTX ## 276 10652 C4.1 07/23 19:31 209 100 874 PHTX ## 278 10652 C2.1 07/29 12:06 Halo 360 1360 1380 PHTX ## 279 10652 C8.4 07/31 05:54 259 >197 1192 PHTX ## 279 10652 C8.4 07/31 05:54 259 >197 1192 PHTX ## 281 10672 M4.8 09/12 00:36 Halo 360 1328 PHTX										
## 259 10501										
### 260 10501										
## 261 10508										
## 262 10508										
## 263 10536										
## 264 10537										
## 265 10537										
## 266 10537										
## 267 10588										
## 268 10588										
## 269 10588									1368	PHTX
## 270 10588										PHTX
## 271 06/02 23:15 287 136 1102 PHTX ## 272 06/03 16:50 303 179 1226 PHTX ## 273 06/04 07:50 309 >273 1306 PHTX ## 274 10635 C1.7/: PHTX ## 275 10635 C2.5/: PHTX ## 276 10652 C4.1 07/23 19:31 209 100 874 PHTX ## 277 10652 M1.1 07/25 14:54 Halo 360 1333 PHTX ## 278 10652 C2.1 07/29 12:06 Halo 360 1180 PHTX ## 279 10652 C8.4 07/31 05:54 259 >197 1192 PHTX ## 280 08/08 08:54 Halo 360 1004 PHTX ## 281 10672 M4.8 09/12 00:36 Halo 360 1328 PHTX	## 2	69	10588	C1.3	04/08	13:31	198	92	959	PHTX
## 272 06/03 16:50 303 179 1226 PHTX ## 273 06/04 07:50 309 >273 1306 PHTX ## 274 10635 C1.7/: PHTX ## 275 10635 C2.5/: PHTX ## 276 10652 C4.1 07/23 19:31 209 100 874 PHTX ## 277 10652 M1.1 07/25 14:54 Halo 360 1333 PHTX ## 278 10652 C2.1 07/29 12:06 Halo 360 1180 PHTX ## 279 10652 C8.4 07/31 05:54 259 >197 1192 PHTX ## 280 08/08 08:54 Halo 360 1004 PHTX ## 281 10672 M4.8 09/12 00:36 Halo 360 1328 PHTX	## 2	70	10588	C9.6	04/11	04:30	203	314	1645	PHTX
## 273 06/04 07:50 309 >273 1306 PHTX ## 274 10635 C1.7/: PHTX ## 275 10635 C2.5/: PHTX ## 276 10652 C4.1 07/23 19:31 209 100 874 PHTX ## 277 10652 M1.1 07/25 14:54 Halo 360 1333 PHTX ## 278 10652 C2.1 07/29 12:06 Halo 360 1180 PHTX ## 279 10652 C8.4 07/31 05:54 259 >197 1192 PHTX ## 280 08/08 08:54 Halo 360 1004 PHTX ## 281 10672 M4.8 09/12 00:36 Halo 360 1328 PHTX	## 2	71			06/02	23:15	287	136	1102	PHTX
## 274 10635 C1.7/: PHTX ## 275 10635 C2.5/: PHTX ## 276 10652 C4.1 07/23 19:31 209 100 874 PHTX ## 277 10652 M1.1 07/25 14:54 Halo 360 1333 PHTX ## 278 10652 C2.1 07/29 12:06 Halo 360 1180 PHTX ## 279 10652 C8.4 07/31 05:54 259 >197 1192 PHTX ## 280 08/08 08:54 Halo 360 1004 PHTX ## 281 10672 M4.8 09/12 00:36 Halo 360 1328 PHTX	## 2	72			06/03	16:50	303	179	1226	PHTX
## 274 10635 C1.7/: PHTX ## 275 10635 C2.5/: PHTX ## 276 10652 C4.1 07/23 19:31 209 100 874 PHTX ## 277 10652 M1.1 07/25 14:54 Halo 360 1333 PHTX ## 278 10652 C2.1 07/29 12:06 Halo 360 1180 PHTX ## 279 10652 C8.4 07/31 05:54 259 >197 1192 PHTX ## 280 08/08 08:54 Halo 360 1004 PHTX ## 281 10672 M4.8 09/12 00:36 Halo 360 1328 PHTX	## 2	73			06/04	07:50	309	>273	1306	PHTX
## 275 10635	## 2	74	10635	C1.7						PHTX
## 276 10652 C4.1 07/23 19:31 209 100 874 PHTX ## 277 10652 M1.1 07/25 14:54 Halo 360 1333 PHTX ## 278 10652 C2.1 07/29 12:06 Halo 360 1180 PHTX ## 279 10652 C8.4 07/31 05:54 259 >197 1192 PHTX ## 280 08/08 08:54 Halo 360 1004 PHTX ## 281 10672 M4.8 09/12 00:36 Halo 360 1328 PHTX										PHTX
## 277 10652 M1.1 07/25 14:54 Halo 360 1333 PHTX ## 278 10652 C2.1 07/29 12:06 Halo 360 1180 PHTX ## 279 10652 C8.4 07/31 05:54 259 >197 1192 PHTX ## 280 08/08 08:54 Halo 360 1004 PHTX ## 281 10672 M4.8 09/12 00:36 Halo 360 1328 PHTX										
## 278 10652										
## 279 10652 C8.4 07/31 05:54 259 >197 1192 PHTX ## 280 08/08 08:54 Halo 360 1004 PHTX ## 281 10672 M4.8 09/12 00:36 Halo 360 1328 PHTX										
## 280 08/08 08:54 Halo 360 1004 PHTX ## 281 10672 M4.8 09/12 00:36 Halo 360 1328 PHTX										
## 281 10672 M4.8 09/12 00:36 Halo 360 1328 PHTX										
## 282 106/2 M1.9/: PHTX										
	## 2	82	10672	M1.9	/	:				PHTX

##	283	10687	C1.7	10/24	03:54	26	>109		PHTX
##	284	10691	M4.2	10/30	06:54	Halo	360	422	PHTX
##	285			11/01	06:06	266	146	925	PHTX
##	286	10696	M5.0	11/03	16:06	Halo	360	1068	PHTX
##	287	10696	M1.6	11/03	03:54	91	>239	918	PHTX
##	288	10696	M3.6	11/06	02:06	351	>214	1111	PHTX
##	289	10696	X2.0	11/07		Halo		1759	PHTX
		10696	M8.9	11/09	17:26	Halo		2000	PHTX
		10696	X2.5	11/10	02:26	Halo		3387	PHTX
		10708	M1.5	12/03		Halo		1216	PHTX
		10709	C2.5	12/08		Halo		611	PHTX
		10715	M2.3	12/29		71		774	PHTX
		10715	M4.2	12/30		Halo		1035	PHTX
		10715	X1.7	01/01		Halo	360	832	
		10715	C7.3	/	:				PHTX
##	298	10720	M8.6	01/15	06:30	Halo	360	2049	PHTX
##	299	10720	X2.6	01/15	23:06	Halo	360	2861	PHTX
##	300	10720	X2.0	01/17	09:30	Halo	360	2094	PHTX
##	301	10720	X1.3	01/19		Halo	360	2020	PHTX
		10720	X3.8	01/17		Halo		2547	PHTX
		10720	X7.1	01/20	06:54	Halo	360	882	PHTX
				02/01		Halo		1380	PHTX
		10758		05/02				955	PHTX
		10758							
				05/03		82	>66	978	
		10758	C8.5	05/06		Halo	360	1128	PHTX
		10759	M8.0	05/13		Halo		1689	PHTX
				05/17		252		311	PHTX
		10775		06/03				1679	
##	311	10775	M4.0	/	:				PHTX
##	312	10786	M4.9	07/07	17:06	Halo	360	683	PHTX
##	313	10786	M2.8	07/09	22:30	Halo	360	1540	PHTX
##	314	10786	M5.0	07/13	14:30	Halo	360	1423	PHTX
##	315	10786	X1.2	07/14	10:54	Halo	360	2115	PHTX
##	316			07/17	11:30	Halo	360	1527	PHTX
				07/24		Halo		2528	PHTX
				07/24		Halo	360	1234	PHTX
		10792	M3.7	07/27		Halo	360	1787	PHTX
				07/27		65	51	533	PHTX
			X1.3	07/30		Halo			PHTX
		10792					360	1968	
		10792	M1.0	08/01		83	93	984	PHTX
		10798	M2.6	08/22		Halo	360	1194	PHTX
		10798	M5.6	08/22	17:30	Halo	360	2378	PHTX
		10798	M2.7	08/23	14:54	Halo	360	1929	PHTX
##	326			08/29	10:54	Halo	360	1600	PHTX
##	327	10803	C2.0	08/31	11:30	Halo	360	825	PHTX
##	328			08/31	22:30	Halo	360	1808	PHTX
##	329			09/03	03:12	Halo	360	1672	PHTX
##	330		C2.7	09/05	09:48	Halo		2326	PHTX
		10808	X1.7		:				
			- · - · ·	,	•				

## 333 10808 X2.1 09/10 21:52 Halo 360 1893 PHTX ## 334 10808 M3.0 09/11 13:00 Halo 360 1922 PHTX ## 335 10808 X1.5 09/13 20:00 Halo 360 1866 PHTX									
## 334 10808									PHTX
## 335 10808	## 333	10808	X2.1	09/10	21:52	Halo	360	1893	PHTX
## 336 10876	## 334	10808	M3.0	09/11	13:00	Halo	360	1922	PHTX
## 337 10898	## 335	10808	X1.5	09/13	20:00	Halo	360	1866	PHTX
## 338 10904	## 336	10876	C1.8	04/30	09:54	Halo	360	544	PHTX
## 338 10904	## 337	10898	M2.5	07/06	08:54	Halo	360	911	PHTX
## 339 10905	# 338			08/16			360	888	PHTX
# 340									
## 341									
## 342									
# 343 10930									
## 344 10930									
# 345 10930									
# 346 10930									
# 347 10930									
## 348 10930									
## 349 10940									
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## 351 10980	# 349	10940	C6.3	01/25	06:54	Halo	360	1367	PHTX
## 352 10989	## 350	10956	B9.5	05/19	13:24	260	106	958	PHTX
## 353 ## 354 11092	# 351	10980	C8.3	12/31	01:31	92	164	995	PHTX
## 354 11092	## 352	10989	M1.7	03/25	19:31	98	112	1103	PHTX
## 354 11092	# 353			04/26	14:30	65	281		PHTX
## 355 11093									
## 356 11099									
## 357 01/13 09:36 79 122 664 PHTX ## 358 11149 C1.2 01/27 12:36 255 43 349 PHTX ## 359 11158 M6.6 02/13 18:36 359 276 373 PHTX ## 360 11158 X2.2 02/15 02:24 Halo 360 669 PHTX ## 361 11163 M3.5 02/24 07:48 70 158 1186 PHTX ## 362 11166 M1.9 03/07 14:48 354 261 698 PHTX ## 363 11164 M3.7 03/07 20:00 Halo 360 2125 PHTX ## 365 11227 C8.7 05/09 20:57 55 292 1318 PHTX ## 365 11227 C8.7 05/29 21:24 107 186 1407 PHTX ## 366 11227 C3.7 06/02 08:12 Halo 360 976 PHTX ## 368 11222 06/04 06:48 Halo 360 1407 PHTX ## 368 11222 06/04 06:48 Halo 360 42425 PHTX ## 369 11226 M2.5 06/07 06:49 Halo 360 2425 PHTX ## 370 11261 M1.4 08/02 06:36 288 268 712 PHTX ## 371 11261 M9.3 08/04 04:12 Halo 360 1315 PHTX ## 373 11263 X6.9 08/09 08:12 Halo 360 1315 PHTX ## 373 11263 X6.9 08/09 08:12 Halo 360 782 PHTX ## 374 11283 M5.3 09/06 02:24 Halo 360 782 PHTX ## 375 11283 X2.1 09/06 23:05 Halo 360 1905 PHTX ## 376 11302 X1.4 09/22 10:48 Halo 360 1905 PHTX ## 377 11302 M7.1 09/24 12:48 Halo 360 1915 PHTX ## 378 11302 M7.4 09/25 05:12 98 193 788 PHTX ## 379 11319 M1.3 10/21 13:25 252 109 317 PHTX ## 379 11319 M1.3 10/21 13:25 252 109 317 PHTX									
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## 367 11222 06/04 06:48 Halo 360 1407 PHTX ## 368 11222 06/04 22:05 Halo 360 2425 PHTX ## 369 11226 M2.5 06/07 06:49 Halo 360 1255 PHTX ## 370 11261 M1.4 08/02 06:36 288 268 712 PHTX ## 371 11261 M9.3 08/04 04:12 Halo 360 1315 PHTX ## 372 11263 M3.5 08/08 18:12 305 237 1343 PHTX ## 373 11263 X6.9 08/09 08:12 Halo 360 1610 PHTX ## 374 11283 M5.3 09/06 02:24 Halo 360 782 PHTX ## 375 11283 X2.1 09/06 23:05 Halo 360 575 PHTX ## 376 11302 X1.4 09/22 10:48 Halo 360 1905 PHTX ## 377 11302 M7.1 09/24 12:48 Halo 360 1915 PHTX ## 378 11302 M7.4 09/25 05:12 98 193 788 PHTX ## 379 11319 M1.3 10/21 13:25 252 109 317 PHTX			C8.7	05/29	21:24	107	186	1407	PHTX
## 368 11222 06/04 22:05 Halo 360 2425 PHTX ## 369 11226 M2.5 06/07 06:49 Halo 360 1255 PHTX ## 370 11261 M1.4 08/02 06:36 288 268 712 PHTX ## 371 11261 M9.3 08/04 04:12 Halo 360 1315 PHTX ## 372 11263 M3.5 08/08 18:12 305 237 1343 PHTX ## 373 11263 X6.9 08/09 08:12 Halo 360 1610 PHTX ## 374 11283 M5.3 09/06 02:24 Halo 360 782 PHTX ## 375 11283 X2.1 09/06 23:05 Halo 360 575 PHTX ## 376 11302 X1.4 09/22 10:48 Halo 360 1905 PHTX ## 377 11302 M7.1 09/24 12:48 Halo 360 1915 PHTX ## 378 11302 M7.4 09/25 05:12 98 193 788 PHTX ## 379 11319 M1.3 10/21 13:25 252 109 317 PHTX	## 366	11227	C3.7	06/02	08:12	Halo	360	976	PHTX
## 369 11226	# 367	11222		06/04	06:48	Halo	360	1407	PHTX
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## 379 11319 M1.3 10/21 13:25 252 109 317 PHTX									
## 380 11343									
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	l 11353				Halo	360		
## 382			12/21	03:12	Halo	360	1064	PHTX
## 383	3 11387	M4.0	12/25	18:48	247	125	366	PHTX
## 384	1		01/02	15:12	Halo	360	1138	PHTX
## 385	11402	M3.2	01/19	14:36	Halo	360	1120	PHTX
## 386	5 11402	M8.7	01/23	04:00	Halo	360	2175	PHTX
## 387	11402	X1.7	01/27	18:27	Halo	360	2508	PHTX
## 388	3 11429	X1.1	03/05	04:00	Halo	360	1531	PHTX
## 389	11429	X5.4	03/07	00:24	Halo	360	2684	PHTX
## 396	11429	M6.3	03/09	04:26	Halo	360	950	PHTX
## 391	l 11429	M8.4	03/10	18:00	Halo	360	1296	PHTX
## 392	2 11429	M7.9	03/13	17:36	Halo	360	1884	PHTX
					Halo	360	1210	PHTX
	1		03/24	00:24	Halo	360	1152	PHTX
	· 5		03/26		Halo	360	1390	PHTX
	5		03/27		261	101	622	PHTX
	, 7 11451			12:36			921	PHTX
		C1.7	04/15		79	173	1220	PHTX
		M5.1	05/17		Halo	360	1582	PHTX
	11513	M1.8	07/04		Halo	360	662	PHTX
	l 11515	M1.6	07/04		220	94	980	PHTX
	2 11515	X1.1	07/05		Halo	360	1828	PHTX
	3 11515 1 11520		07/08 07/12		212	157 360	1495	PHTX
		X1.4	07/12	16:48			885	PHTX
		C9.9	07/17		255		958	PHTX
	5 11520	M7.7	07/19	05:24	Halo	360	1631	PHTX
	7 11520		07/23	02:36	Halo	360	2003	PHTX
		C8.1	08/31		Halo	360	1442	PHTX
		C3.7	09/28		Halo	360	947	PHTX
		M1.3			83	243	496	PHTX
	11650		01/16			250	648	PHTX
	2 11692				Halo		1063	
		M6.5		07:24		360		PHTX
		C6.5	04/18		284	199	495	PHTX
		C2.7	04/21		255	212	562	PHTX
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	11748	X2.8	05/13		Halo	360	1850	PHTX
	3 11748	X3.2	05/14		Halo	360	2625	PHTX
## 419	9 11748	X1.2	05/15	01:48	Halo	360	1366	PHTX
## 426	11745	M5.0	05/22	13:25	Halo	360	1466	PHTX
## 421	l 11777	M2.9	06/21	03:12	123	>207	1900	PHTX
## 422	2 11777	C4.4	06/28	02:00	Halo	360	1037	PHTX
## 423	3 11787	C6.8	07/04	20:12	111	188	468	PHTX
## 424	I EP	B4.5	08/06	02:12	48	207	441	PHTX
## 425	5 11818	M1.4	08/17	19:12	Halo	360	1202	PHTX
	5 11836	C8.3	08/30	02:48	Halo	360	949	PHTX
## 426	11000							
			09/06	20:48	90	182	734	PHTX
## 426 ## 427 ## 428	7 DIM		09/06 09/29		90 Halo	182 360	734 1179	PHTX

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	31 11869		10/11		Halo		1200	PHTX	
## 43	32		•				293	PHTX	
	33 11875		10/22	21:48	Halo		459	PHTX	
## 43	34 11882	X2.1	10/25	15:12	Halo	360	1081	PHTX	
## 43	35 11875	C4.5	10/26	03:12	271	208	473	PHTX	
## 43	36 11875	M1.3	10/26	09:48	286	141	460	PHTX	
	37 11875		10/27	18:12	308	189	795	PHTX	
## 43	38 11875	M5.1	10/28	04:48	315	156	1201	PHTX	
## 43	39 11882	M4.4	10/28	15:36	Halo	360	812	PHTX	
## 44	10 11875		11/04	05:12	Halo	360	1040	PHTX	
## 44	11 11899		11/07	10:36	Halo	360	1405	PHTX	
	12 11893		11/19		Halo	360	740	PHTX	
## 44	13 11899		11/29	17:24	251	188	465	PHTX	
## 44	14 DIM		12/05	10:24	133	148	549	PHTX	
			/	:				PHTX	
## 44	16 11909	M1.2	12/07	07:36	Halo	360	1085	PHTX	
## 44	17 11912	C4.6	-		214	276	1002	PHTX	
## 44	18		12/20	04:36	255	26	337	PHTX	
			•			360	1118	PHTX	
## 45	50		-	:				PHTX	
## 45	51		/	:				PHTX	
## 45	52 11936		01/06	08:00	Halo	360	1402	PHTX	
## 45	3 11943	X1.2	01/07	18:24	Halo	360	1830	PHTX	
## 45	54 DIM	C3.6	01/20	22:00	Halo	360	721	PHTX	
## 45	55 EP		02/18	01:36	Halo	360	779	PHTX	
## 45	6 11976	M3.0	02/20	08:00	Halo	360	948	PHTX	
## 45	7 11990	X4.9	02/25	01:25	Halo	360	2147	PHTX	
## 45	8 12005		03/04	18:48	Halo	360	794	PHTX	
## 45	59		03/05		Halo	360	828	PHTX	
## 46	50 EP		03/25	05:36	261	223	651	PHTX	
## 46	51 12017	M2.6	03/28	23:48	325	138	514	PHTX	
## 46	52 12011		03/29	18:12	Halo	360	528	PHTX	
## 46	53 12027	M6.5	04/02	13:36	Halo	360	1471	PHTX	
## 46	54		/					PHTX	
## 46	55 12027	C8.3	04/04	14:12	54	96	467	PHTX	
	66 12036			13:25	Halo	360	1203	PHTX	
## 46	57 12027		05/07	16:24	Halo	360	923	PHTX	
## 46	58 12051		05/08		Halo	360	847	PHTX	
## 46	59 12051		05/09	02:48	Halo	360	1099	PHTX	
## 47	70 12051		05/10	04:36	Halo	360	1086	PHTX	
## 47	71 12087	X1.5	06/10	13:30	Halo	360	1469	PHTX	
## 47	72 12085	M3.1	06/12	22:12	233	186	684	PHTX	
## 47	73 EP?	C1.5	07/30	07:00	13	254	700	PHTX	
## 47	74 12127	M1.5	08/01	18:36	Halo	360h	789	PHTX	
## 47	75 12146	C2.2	08/22	11:12	Halo	360	600	PHTX	
## 47	76 12146	M2.0	08/25	15:36	Halo	360	555	PHTX	
## 47	77 12146	M3.9	08/25	20:48	273	177	711	PHTX	
## 47	78 12157		08/28	17:24	Halo	360	766	PHTX	

## 479 12158 09/01 11:12 Halo 360 1901 PHTX ## 480 12158 M4.5 09/09 00:06 Halo 360 920 PHTX ## 481 12158 X1.6 09/10 18:00 Halo 360 1267 PHTX ## 482 12164 09/20 05:24 292 87 426 PHTX	
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## 485 EP 09/24 21:30 Halo 360 1350 PHTX	
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## 488 12192	
## 489 12203 11/08 16:36 305 141 426 PHTX	
## 490 12/13 14:24 Halo 360 2222 PHTX	
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## 492 12242 M8.7 12/17 05:00 Halo 360 587 PHTX	
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## 500 04/26 03:24 Halo 360 820 PHTX	
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## 521 12535 C1.3 05/04 14:12 255 134 390 PHTX	
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Step 4: Tidy the NASA Table

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## 2
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                                                          DH
                    List
                                                                    type
## 3
                   after
                                             STEREO
                                                      launch
## 4
                      of
                                             bursts
                                                         are determined
## 5
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## 6
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## 8
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                                                                   Flare
## 9
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## 10
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                                          Frequency
                                                         Loc
                                                                   NOAA
## 11
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                                                (3)
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	47	13:50	04/24	00:00	3700
	48	05:50	05/03	08:45	8000
	49	10:55	05/28	10:00	14000
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## 113	05:10	11/24 15:00 14000	
## 114	15:25	11/24 22:00 14000	
## 115	22:24	11/24 22:36 4000	
## 116	01:25	11/25 02:25 14000	
## 117	19:00	11/25 19:35 6000	
## 118	19:55	11/25 20:25 13000	
## 119	17:00	11/26 17:15 14000	
## 120	12:40	12/28 13:38 14000	
## 121	19:12	01/20 19:16 14000	
## 122	21:30	01/20 24:00 14000	
## 123	12:06	01/26 14:20 14000	
## 124	15:45	01/28 17:00 14000	
## 125	01:40	02/11 01:55 12000	
## 125	04:18	03/10 04:32 14000	
## 120 ## 127	05:35	03/12 05:45 3000	
## 127 ## 128	02:35	03/12 03.45 3000	
## 128 ## 129	15:00	03/27 03.13 0000	
## 129 ## 130	10:12		
## 131 ## 132	11:30		
## 132 ## 133	22:05	04/03 02:30 14000 04/03 07:35 14000	
## 133	03:40	04/03 07:25 14000	
## 134 ## 135	09:50	04/04 10:10 13000	
## 135	00:00	04/05 00:00 14000	
## 136	19:35	04/07 01:50 14000	
## 137	15:53	04/10 01:00 12000	
## 138	05:24	04/10 24:00 14000	
## 139	13:15	04/11 14:15 14000	
## 140	10:20	04/12 10:40 14000	

## 142					
## 143	## 141	14:05		13:00	
## 144	## 142	02:55		14:00	
## 145	## 143	12:40	04/28	05:00	5000
## 146	## 144	12:00	05/07	13:50	2000
## 147	## 145	23:52	05/13	00:12	3000
## 148	## 146	00:25	05/30	01:38	14000
## 149	## 147	10:50	06/15	11:15	7000
## 150	## 148	16:05	06/15	16:20	14000
## 151	## 149	00:10	08/15	08:40	5400
## 152	## 150	16:50	08/25	23:00	8000
## 153	## 151	20:43	08/30	20:47	12000
## 153	## 152	18:48	09/03	19:00	12000
## 154	## 153				
## 155	## 154	13:50		14:10	3000
## 156	## 155				
## 157	## 156				
## 158	## 157				
## 159	## 158				
## 160	## 159				
## 161	## 160				
## 162	## 161				
## 163	## 162				
## 164					
## 165					
## 166					
## 167					
## 168					
## 169					
## 170					
## 171					
## 172 12:45 12/11 17:00 4500 ## 173 11:25 12/25 12:40 14000 ## 174 05:20 12/27 05:00 14000 ## 175 20:35 12/29 03:00 14000 ## 176 20:45 12/29 21:05 3000 ## 177 18:30 01/09 24:00 14000 ## 178 06:25 01/14 21:30 12000 ## 180 19:23 02/01 19:31 14000 ## 181 12:35 02/21 12:50 4000 ## 182 00:00 03/11 00:15 14000 ## 183 00:00 03/12 02:20 14000 ## 184 22:45 03/15 23:30 14000 ## 185 06:00 03/17 06:35 3000 ## 186 02:55 03/18 05:35 14000 ## 187 11:30 03/22 12:40 14000 ## 188 13:10 03/22 13:35 3000					
## 173 11:25 12/25 12:40 14000 ## 174 05:20 12/27 05:00 14000 ## 175 20:35 12/29 03:00 14000 ## 176 20:45 12/29 21:05 3000 ## 177 18:30 01/09 24:00 14000 ## 178 06:25 01/14 21:30 12000 ## 180 19:23 02/01 19:31 14000 ## 181 12:35 02/21 12:50 4000 ## 182 00:00 03/11 00:15 14000 ## 183 00:00 03/12 02:20 14000 ## 184 22:45 03/15 23:30 14000 ## 185 06:00 03/17 06:35 3000 ## 186 02:55 03/18 05:35 14000 ## 187 11:30 03/22 12:40 14000 ## 188 13:10 03/22 13:35 3000					
## 174					
## 175					
## 176 20:45 12/29 21:05 3000 ## 177 18:30 01/09 24:00 14000 ## 178 06:25 01/14 21:30 12000 ## 179 12:49 01/27 13:25 14000 ## 180 19:23 02/01 19:31 14000 ## 181 12:35 02/21 12:50 4000 ## 182 00:00 03/11 00:15 14000 ## 183 00:00 03/12 02:20 14000 ## 184 22:45 03/15 23:30 14000 ## 185 06:00 03/17 06:35 3000 ## 186 02:55 03/18 05:35 14000 ## 187 11:30 03/22 12:40 14000 ## 188 13:10 03/22 13:35 3000					
## 177 18:30 01/09 24:00 14000 ## 178 06:25 01/14 21:30 12000 ## 179 12:49 01/27 13:25 14000 ## 180 19:23 02/01 19:31 14000 ## 181 12:35 02/21 12:50 4000 ## 182 00:00 03/11 00:15 14000 ## 183 00:00 03/12 02:20 14000 ## 184 22:45 03/15 23:30 14000 ## 185 06:00 03/17 06:35 3000 ## 186 02:55 03/18 05:35 14000 ## 187 11:30 03/22 12:40 14000 ## 188 13:10 03/22 13:35 3000					
## 178					
## 179 12:49 01/27 13:25 14000 ## 180 19:23 02/01 19:31 14000 ## 181 12:35 02/21 12:50 4000 ## 182 00:00 03/11 00:15 14000 ## 183 00:00 03/12 02:20 14000 ## 184 22:45 03/15 23:30 14000 ## 185 06:00 03/17 06:35 3000 ## 186 02:55 03/18 05:35 14000 ## 187 11:30 03/22 12:40 14000 ## 188 13:10 03/22 13:35 3000					
## 180					
## 181					
## 182					
## 183					
## 184 22:45 03/15 23:30 14000 ## 185 06:00 03/17 06:35 3000 ## 186 02:55 03/18 05:35 14000 ## 187 11:30 03/22 12:40 14000 ## 188 13:10 03/22 13:35 3000					
## 185					
## 186 02:55 03/18 05:35 14000 ## 187 11:30 03/22 12:40 14000 ## 188 13:10 03/22 13:35 3000					
## 187					
# 188 13:10 03/22 13:35 3000					
## 103 12:09 04/10 13:02 13000					
	## 103	17:23	04/10	13:02	13000

# 191					
# 192	## 190				
# 193	## 191				
# 194	## 192		04/19	04:00	5000
# 195	## 193				
# 196	## 194		04/30	14:23	4000
# 197	## 195	22:30	04/30	23:20	2000
# 198	## 196	23:50	05/03	00:10	2800
# 199	## 197	01:50	05/16	03:30	9000
# 200	## 198	00:00	05/22	00:30	14000
# 201	## 199	12:50	05/27	13:50	14000
# 202	## 200	11:35	07/07	20:00	14000
# 203	## 201	19:46	07/09	20:40	1000
# 204	## 202	21:15	07/16	05:00	5000
# 205	## 203	07:30	07/17	07:45	3500
# 206	## 204	07:55	07/18	08:45	14000
# 206	## 205	20:55	07/18	21:40	6000
# 207	## 206				
# 208	## 207				
# 209	## 208				
# 210	## 209				
# 211	## 210				
# 212	## 211				
# 213	## 212				
# 214	## 21 3				
# 215	## 214				
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# 229					
# 230 22:20 01/27 22:26 11000 # 231 12:25 03/18 13:45 4500 # 232 13:55 03/18 14:10 14000 # 233 02:30 03/19 03:15 14000 # 234 07:25 04/22 08:22 3500 # 235 23:12 05/27 23:45 14000 # 236 01:00 05/29 00:30 1000 # 237 01:10 05/29 08:00 13000					
# 231 12:25 03/18 13:45 4500 # 232 13:55 03/18 14:10 14000 # 233 02:30 03/19 03:15 14000 # 234 07:25 04/22 08:22 3500 # 235 23:12 05/27 23:45 14000 # 236 01:00 05/29 00:30 1000 # 237 01:10 05/29 08:00 13000					
# 232 13:55 03/18 14:10 14000 # 233 02:30 03/19 03:15 14000 # 234 07:25 04/22 08:22 3500 # 235 23:12 05/27 23:45 14000 # 236 01:00 05/29 00:30 1000 # 237 01:10 05/29 08:00 13000					
# 233 02:30 03/19 03:15 14000 # 234 07:25 04/22 08:22 3500 # 235 23:12 05/27 23:45 14000 # 236 01:00 05/29 00:30 1000 # 237 01:10 05/29 08:00 13000					
# 234 07:25 04/22 08:22 3500 # 235 23:12 05/27 23:45 14000 # 236 01:00 05/29 00:30 1000 # 237 01:10 05/29 08:00 13000					
# 235 23:12 05/27 23:45 14000 # 236 01:00 05/29 00:30 1000 # 237 01:10 05/29 08:00 13000					
# 236 01:00 05/29 00:30 1000 # 237 01:10 05/29 08:00 13000					
# 237					
# 238					
	## 238	03:00	05/31	08:00	1000

## 239						
## 241			00:00			
## 242						
## 243			22:50		05:30	
## 244			14:10	07/10	16:10	4000
## 245	##	243	11:15	08/19	12:00	14000
## 246	##	244	04:10	10/21	04:55	5000
## 247	##	245	07:00	10/26	09:15	8000
## 248	##	246	17:45	10/26	19:40	14000
## 249	##	247	11:10	10/29	24:00	14000
## 250	##	248	20:55	10/29	24:00	11000
## 251	##	249	22:55	11/02	00:50	14000
## 252	##	250	00:00	11/02	00:00	????
## 253	##	251	17:30	11/03	01:00	12000
## 253	##	252	01:15			3000
## 254						
## 255						
## 256						
### 257				•		
## 258						
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## 273						
## 274						
## 275				-		
## 276						
## 277						
## 278						
## 279 07:10 07/31 11:30 1000 ## 280 09:15 08/08 09:22 14000 ## 281 00:45 09/13 21:00 14000 ## 282 17:15 09/19 18:15 14000 ## 283 03:12 10/24 03:21 14000 ## 284 06:40 10/30 07:40 4000 ## 285 05:55 11/01 07:25 3000 ## 286 15:55 11/03 16:30 14000						
## 280 09:15 08/08 09:22 14000 ## 281 00:45 09/13 21:00 14000 ## 282 17:15 09/19 18:15 14000 ## 283 03:12 10/24 03:21 14000 ## 284 06:40 10/30 07:40 4000 ## 285 05:55 11/01 07:25 3000 ## 286 15:55 11/03 16:30 14000						
## 281 00:45 09/13 21:00 14000 ## 282 17:15 09/19 18:15 14000 ## 283 03:12 10/24 03:21 14000 ## 284 06:40 10/30 07:40 4000 ## 285 05:55 11/01 07:25 3000 ## 286 15:55 11/03 16:30 14000						
## 282 17:15 09/19 18:15 14000 ## 283 03:12 10/24 03:21 14000 ## 284 06:40 10/30 07:40 4000 ## 285 05:55 11/01 07:25 3000 ## 286 15:55 11/03 16:30 14000						
## 283 03:12 10/24 03:21 14000 ## 284 06:40 10/30 07:40 4000 ## 285 05:55 11/01 07:25 3000 ## 286 15:55 11/03 16:30 14000						
## 284 06:40 10/30 07:40 4000 ## 285 05:55 11/01 07:25 3000 ## 286 15:55 11/03 16:30 14000						
## 285 05:55 11/01 07:25 3000 ## 286 15:55 11/03 16:30 14000						
## 286						
## 28/ 03:35 11/03 04:10 2000						
	##	287	03:35	11/03	04:10	2000

	288	01:50	11/06	02:45	6000
	289	16:25	11/08	20:00	14000
	290	17:35	11/09	18:10	14000
##	291	02:25	11/10	03:40	14000
##	292	00:07	12/04	04:30	10000
##	293	20:05	12/08	20:10	14000
##	294	16:35	12/29	17:00	14000
##	295	23:45	12/31	04:20	5000
##	296	00:45	01/01	02:25	14000
##	297	11:20	01/04	11:35	13000
##	298	06:15	01/15	09:30	14000
##	299	23:00	01/15	00:00	3000
##	300	09:25	01/17	16:00	14000
##	301	09:20	01/19	00:00	5300
	302	10:00	01/17	10:35	6100
	303	07:15	01/20	16:30	14000
	304	11:40	02/01	11:50	8000
	305	22:40	03/02	23:00	14000
	306	00:20	03/02	01:10	14000
	307	17:52	05/05	18:03	5000
	308	17:00	05/00	02:10	5000
	309	03:20	05/17	03:35	4500
	310	12:50	06/03	15:00	10000
	311	20:25	06/03 06/16	21:40	9000
	312		07/07		4000
	313	16:30		16:40	14000
	314	22:15	07/09	23:00	
		14:15	07/13	15:05	14000
	315	11:00	07/14	12:54	3000
	316	11:50	07/17	13:45	7000
	317	13:50	07/24	22:30	14000
	318	22:35	07/24	22:40	1000
	319	05:20	07/27	06:45	1000
	320	07:45	07/27	08:30	2500
	321	07:40	07/30	20:00	9000
	322	14:15	08/01	14:50	14000
	323	01:30	08/22	03:35	8000
	324	17:15	08/23	13:00	12000
	325	15:00	08/23	19:30	13000
	326	11:10	08/29	11:14	10000
	327	11:40	08/31	12:10	6000
	328	22:10	08/31	23:00	14000
	329	03:20	09/03	05:15	2000
	330	10:40	09/06	00:00	1500
##	331	18:05	09/08	00:00	12000
##	332	19:45	09/09	22:00	10000
##	333	21:45	09/10	01:00	14000
##	334	13:10	09/11	15:15	3000
##	335	20:20	09/15	06:00	1100
##	336	16:20	05/02	01:00	1000

## 337	08:45	07/06	17:18	14000	
## 338	15:45	08/16	22:15	14000	
## 339	20:40	08/26	21:00	7000	
## 340	17:35	11/05	19:20	14000	
## 341	10:35	11/06	11:05	14000	
## 342	17:45	11/06	19:25	4000	
## 343	10:50	12/05	20:00	14000	
## 344	02:00	12/06	03:30	1000	
## 345	08:30	12/06	09:45	4000	
## 346	19:00	12/08	24:00	16000	
## 347	02:45	12/13	10:40	12000	
## 348	22:30	12/14	23:40	14000	
## 349	06:55	01/25	23:30	14000	
## 350	13:02	05/19	13:05	16000	
## 351	01:05	12/31	01:22	16000	
## 352	19:05	03/25	19:20	12000	
## 353	14:23	04/26	14:39	7600	
## 354	09:20	08/01	17:30	2000	
## 355	18:35	08/07	19:50	14000	
## 356	06:05	08/18	07:45	13000	
## 357	09:15	01/13	10:05	16000	
## 358	12:20	01/27	12:35	16000	
## 359	17:50	02/13	18:00	16000	
## 360	02:10	02/15	07:00	16000	
## 361	12:50	02/24	15:10	1000	
## 362	14:30	03/07	15:00	16000	
## 363	20:00	03/08	08:30	16000	
## 364	21:00	05/10	04:00	16000	
## 365	21:10	05/30	13:40	16000	
## 366	08:00	06/02	08:25	15000	
## 367	07:00	06/04	13:45	16000	
## 368	22:00	06/07	01:30	16000	
## 369	06:45	06/07	18:00	16000	
## 370	06:15	08/02	07:30	16000	
## 371	04:15	08/05	17:00	13000	
## 372	18:10	08/08	20:10	6000	
## 373	08:20	08/09	08:35	16000	
## 374	02:00	09/06	23:40	14000	
## 375	22:30	09/07	15:40	16000	
## 376	11:05	09/22	24:00	14000	
## 377	12:50	09/24	22:45	16000	
## 378	05:30	09/25	06:00	16000	
## 379	13:15	10/21	13:50	16000	
## 380	13:30	11/09	17:00	16000	
## 381	07:15	11/27	24:00	10000	
## 382	03:00	12/21	08:15	16000	
## 383	18:45	12/25	18:55	14000	
## 384	15:00	01/02	15:45	16000	
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## 386	04:00	01/24	15:00	16000
## 387	18:30	01/28	04:45	16000
## 388	04:00	03/05	12:20	16000
## 389	01:00	03/08	19:00	16000
## 390	04:10	03/09	06:05	14000
## 391	17:55	03/11	12:30	14000
## 392	17:35	03/13	24:00	16000
## 393	00:20	03/18	01:20	16000
## 394	00:40	03/24	10:40	16000
## 395	23:15	03/26	23:55	16000
## 396	21:45	03/27	22:30	4000
## 397	12:20	04/09	13:00	16000
## 398	02:30	04/15	02:50	16000
## 399	01:40	05/17	06:20	16000
## 400	17:00	07/04	17:20	14000
## 401	22:40	07/05	23:50	3000
## 402	23:10	07/07	03:40	16000
## 403	16:35	07/08	22:00	16000
## 404	16:45	07/13	09:00	14000
## 405	14:40	07/18	05:00	12000
## 406	05:30	07/19	06:20	5000
## 407	02:30	07/23	21:40	16000
## 408	20:00	08/31	23:45	16000
## 409	23:55	09/28	10:15	16000
## 410	01:50	10/22	11:15	1000
## 411	22:00	01/17	01:30	1000
## 412	07:00	03/15	21:30	14000
## 413	07:10	04/11	15:00	10000
## 414	18:00	04/18	19:10	16000
## 415	20:25	04/21	22:12	14000
## 416	02:20	05/13	03:00	16000
## 417	16:15	05/13	19:10	16000
## 418	01:16	05/14	02:35	16000
## 419	01:49	05/15	07:30	16000
## 420	13:10	05/24	06:00	16000
## 421	03:35	06/21	05:15	14000
## 422	01:53	06/28	03:26	14000
## 423	20:57	07/04	21:27	11000
## 424	02:01	08/06	02:11	14000
## 425	20:25	08/18	03:05	1800
## 426	02:34	08/31	04:00	14000
## 427	22:29	09/06	22:34	5000
## 428	21:53	09/30	21:00	14000
## 429	20:46	10/02	21:10	10000
## 430	07:00	10/05	14:46	16000
## 431	07:23	10/11	11:43	14000
## 432	18:47	10/14	05:15	2100
## 433	21:33	10/22	22:08	14000
## 434	15:08	10/25	22:32	16000
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## 435	03:01	10/26	04:00	14000
## 436	09:34	10/26	10:10	14000
## 437	18:12	10/27	18:36	14000
## 438	04:41	10/28	11:51	14000
## 439	15:24	10/28	15:29	14000
## 440	05:10	11/04	08:00	16000
## 441	10:26	11/07	20:40	16000
## 442	10:39	11/19	20:20	14000
## 443	22:18	11/30	09:20	1800
## 444	12:45	12/05	13:00	4200
## 445	20:48	12/05	21:35	14000
## 446	07:43	12/07	08:36	14000
## 447	03:55	12/12	21:30	12000
## 448	08:23	12/20	13:24	1500
## 449	17:31	12/28	18:05	16000
## 450	17:41	01/04	18:47	9000
## 451	19:03	01/05	09:00	6500
## 452	07:57	01/06	22:30	14000
## 453	18:33	01/08	21:00	14000
## 454	22:24	01/20	22:36	14000
## 455	02:16	02/18	02:51	2000
## 456	08:05	02/20	08:29	12000
## 457	00:56	02/25	11:28	14000
## 458	18:24	03/04	20:10	16000
## 459	13:33	03/05	17:10	16000
## 460	07:52	03/25	11:30	1700
## 461	00:12	03/29	00:48	14000
## 462	17:59	03/30	09:58	14000
## 463	13:42	04/03	08:10	14000
## 464	18:49	04/03	06:40	2400
## 465	14:02	04/04	14:07	14000
## 466	13:05	04/18	22:50	14000
## 467	16:24	05/07	23:18	16000
## 468	03:21	05/08	05:26	16000
## 469	02:40	05/09	04:30	14000
## 470	04:32	05/10	08:37	16000
## 471	12:58	06/10	15:00	16000
## 472	22:14	06/12	22:35	14000
## 473	07:44	07/30	08:00	6300
## 474	18:58	08/02	05:00	1000
## 475	10:37	08/22	11:18	14000
## 476	15:20	08/25	16:02	14000
## 477	20:43	08/25	21:00	14000
## 478	17:05	08/28	22:08	16000
## 479	11:12	09/01	22:35	16000
## 480	00:05	09/09	13:00	11000
## 481	17:45	09/03	12:00	14000
## 482	05:10	09/11 09/20	05:30	14000
## 483	06:13	09/20 09/22	05:30 06:50	16000
mm	00.13	05/22	00.50	10000

	484		23:41			09/23	23:47	14000
	485		20:54			09/24	23:48	16000
	486		21:34			10/02	21:56	3300
	487		18:11			10/10	18:33	2500
##	488		12:33			10/21	13:01	14000
##	489		16:57			11/08	17:18	14000
##	490		14:27			12/13	14:51	14000
##	491		04:09			12/17	04:19	2900
##	492		05:00			12/17	05:09	14000
##	493		22:31			12/18	22:54	5100
##	494		12:05			12/21	12:28	14000
##	495		02:33			03/03	02:37	8100
##	496		08:00			03/06	11:30	4700
##	497		00:10			03/10	00:27	14000
‡#	498		10:30			03/11	14:50	1000
##	499		09:00			03/06	11:47	14000
##	500		03:21			04/26	03:33	8000
##	501		22:24			05/05	23:14	14000
##	502		03:00			05/12	03:04	14000
	503		20:23			06/09	22:35	2300
	504		05:26			06/14	05:41	3000
	505		17:42			06/18	19:40	3700
	506		02:33			06/21	21:20	5500
	507		18:20			06/22	21:55	14000
	508		08:35			06/25	16:30	14000
	509		16:08			07/01	20:47	1000
	510		07:07			08/22	07:18	14000
	511		04:54			09/18	09:52	14000
	512		18:23			09/21	01:46	14000
	513		14:07			11/04	15:14	14000
	514		13:21			11/09	13:27	14000
	515		08:45			12/16	08:57	5300
	516		01:18			12/23		12000
	517		11:50			12/28	21:45	14000
	518		00:55			01/02	03:08	1100
	519		20:28			02/05	23:31	1650
	520		22:35			02/05	22:55	5200
	521		14:20			05/04	14:34	14000
	522		17:00			05/24		1500
	523		18:21			08/15	18:28	11000
	524		<na></na>			<na></na>	<na></na>	<na></na>
	525		<na></na>			<na></na>		<na></na>
##		end frea	Location	ΝΩΔΔ	Importance		CME_time	
+#		<na></na>		<na></na>	<na></na>		<na></na>	
##		II		observed			spacecraft,	\IMA/
## ##		0ct	2006	the			end	times
## ##		using			and		ena	<na></na>
		_	<na></na>		<na></na>		ZNA S	
## ##		<na></na>		<na></na>		<na></na>		
##	ь	<na></na>	<na></na>	<na></na>	<na></na>	<na></na>	<na></na>	<na></na>

##	7	<na></na>	∠NIA \	<na></na>	<na></na>	<na></na>	<na></na>	<na></na>
##		CME	<na></na>	<na></na>	<na></na>	<na></na>	<na></na>	<na></na>
##		<na></na>	<na></na>	<na></na>	<na></na>	<na></na>	<na></na>	<na></na>
								<na></na>
	10	Imp	Date	Time	CPA	Width	Spd	(12)
	11	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	12	<na></na>	<na></na>	<na></na>	<na></na>	<na></na>	<na></na>	<na></na>
	13	4000	S25E16	8026	M1.3	04/01	15:18	74
	14	1000	S28E19	8027	C6.8	04/07	14:27	Halo
##	15	80	N21W08	8038	C1.3	05/12	05:30	Halo
##	16	500	N05W12	8040	M1.3	05/21	21:00	263
##	17	2000	S29E25	8088	C1.4	09/23	22:02	133
##	18	250	S20W13	8100	C8.6	11/03	05:28	240
##	19	5000	S16W21	8100	M4.2	11/03	11:11	233
##	20	100	S14W33	8100	X2.1	11/04	06:10	Halo
##	21	100	S18W63	8100	X9.4	11/06	12:10	Halo
##	22	7000	N17E63	8113	X2.6	11/27		98
	23	8000	N25W52	8116	B9.4	12/13	00:26	278
	24	10000	N21E25	8141	C1.1	01/25	15:26	Halo
	25	7000	SW90	<na></na>	<na></na>	03/29	03:48	Halo
	26	35	S22W90	8194	M1.4	04/20	10:07	284
	27	200	S17E90	8210	X1.2	04/23	05:55	Halo
	28	2600	S10E90	8210	C8.9	04/24	08:55	100
	29	1000		8210	X1.0			Halo
			S16E50					
	30	2000	S18E20	8210	M6.8	04/29	16:58	Halo
	31	3000	S15W15	8210	X1.1	05/02	14:06	Halo
	32	5000	S11W65	8210	X2.7	05/06	08:29	309
	33	400	S14W89	8210	M7.7	05/09	03:35	262
	34	1000	N32W90	8214	B6.6	05/11	21:55	208
##	35	3000	N29W46	8222				
##	36	1000	N19W62	8226	C7.5		13:45	175
##	37	4000	N16E86	8243	M1.4	06/11	10:28	123
##	38	50	S22W90	8232	M1.0	06/16	18:27	341
##	39	1800	Back	<na></na>	<na></na>	06/20	18:20	Halo
##	40	2000	N16W46	8243	C2.9	06/22	05:01	265
##	41	4000	S25E47	8373	C4.4	11/02	14:18	116
##	42	50	N22W18	8375	M8.4	11/05	20:44	Halo
##	43	1000	BACK	<na></na>	<na></na>	11/06	02:18	159
##	44	6000	NE90b	<na></na>	C1.0	11/07	01:54	296
##	45	8000	S21W37	<na></na>	C5.9	11/08	11:54	264
	46	5000	N19E64	8415	M8.0	12/18	18:09	Halo
	47	1500	NW90b	<na></na>	<na></na>	04/24	13:31	Halo
	48	200	N15E32	8525	M4.4	05/03	06:06	Halo
	49	70	W90b	<na></na>	<na></na>	05/27	11:06	Halo
	50	400	NW90b	<na></na>	<na></na>	06/01	19:37	Halo
	51	60	N17W69	8552	M3.9	06/01	07:26	289
	52	400	N38E90	<na></na>	C8.8	06/04 06/11	11:26	35
					M1.7			
	53 E4	2000	N22E37	8592		06/22 06/22	18:54	Halo
	54	2000	BACK	<na></na>	<na></na>	06/23	06:06	264
##	55	2000	N23E42	8596	M1.7	06/23	07:31	Halo

##		1500	N22W44	8592	C3.5	06/28	21:30	336
##		2000	S14E01	8603	M1.6	06/29	19:54	Halo
##	58	1000	SW90b	8603	C7.6	07/05	02:54	284
##	59	12000	S26W14	8674	X1.1	08/28	18:26	120
##	60	1000	S36W24	8679	C2.1	09/03	00:06	184
##	61	2000	NW90b	<na></na>	<na></na>	09/10	07:54	18
##	62	4000	N11E32	8731	X1.8	10/14	09:26	Halo
##	63	10000	N03E38	<na></na>	<na></na>	10/18	00:06	40
##	64	4000	N17E38	8766	M3.8	11/16	03:06	81
##	65	7000	N08W39	8759	M1.8	11/16	05:30	285
##	66	500	S19E11	8831	M3.9	01/18	17:54	Halo
##		1100	S31W17	8841	C4.7	01/28	20:12	Halo
##		2900	N26E52	8858	X1.2	02/05	19:54	60
##		20	N25E26	8858	M1.3	02/08	09:30	Halo
##		8000	N31E04	8858	C7.3	02/10	02:30	Halo
##		400	N26W23	8858	M1.7	02/10	04:31	Halo
				8872				
##		100	S29E07		M1.3	02/17	21:30	Halo
##		1200	NW90b	<na></na>	C1.1	02/18	09:54	286
##		6000	S20W58	8882	M6.5	03/02	13:54	235
##		4500	S22E77	8906	M1.2	03/07	16:30	120
##		10000	S00E90	8932	C2.3	03/27	07:31	129
##	77	9000	N16W66	8933	C9.7	04/04	16:32	Halo
##	78	1000	S14W01	8948	M3.1	04/10	00:30	Halo
##	79	6000	S50W30	altr	FILA	04/18	14:54	195
##	80	1000	S17W87	8970	M6.8	05/04	11:26	235
##	81	2500	S17W87	8970	M1.5	05/05	15:50	Halo
##	82	500	W90b	<na></na>	<na></na>	05/07	20:50	Halo
##	83	7000	E90b	<na></na>	<na></na>	05/12	23:26	Halo
##	84	40	S24W67	8993	C7.8	05/15	16:26	257
##		8000	N16E60	9026	M7.6	06/02	21:30	69
##		40	N20E18	9026	X2.3	06/06	15:54	Halo
##		1000	N22W38	9026	M5.2		17:08	Halo
##		2500	N20W65	9041	M1.8	06/15		
##		1000	N22W72	9041	M3.5	06/17	03:28	298
##		1900	N42E60	<na></na>	<na></na>	06/17	21:30	298
##		2000	N42E00 N26W72	9042	M3.0	06/18 06/23	14:54	282
##							07:54	
		2500	N16W55	9046	M1.9	06/25 07/10		262
##		1000	N18E49	9077	M5.7	07/10	21:50	67
##		1000	N18E27	9077	X1.0	07/11	13:27	
##		1000	N19W61	9070	M1.5	07/12	20:30	281
##		80	N22W07	9077	X5.7	07/14	10:54	Halo
##		2000	N14W56	9085	M3.7	07/22	11:54	259
##		2000	NW90b	<na></na>	<na></na>	08/11	07:31	273
##	99	60	S19W06	DSF	M1.0	09/12	11:54	Halo
##	100	1000	NE90b	<na></na>	<na></na>	09/12	17:30	Halo
##	101	400	N14W07	9165	M5.9	09/16	05:18	Halo
##	102	1500	N14W46	9165	M5.1	09/19	08:50	283
##	103	1000	N09W18	9169	M1.8	09/25	02:50	Halo
##	104	1250	N25W90	9177	<na></na>	10/05		323
			-			• -	-	-

105
107
108
109
110 2000 S14E05 9227 C4.4 11/12 14:50 257 ## 111 9000 S26W40 9238 C5.4 11/23 06:06 Halo ## 112 3000 S20E60 9239 C7.9 11/23 21:30 124 ## 113 100 N20W05 9236 X2.0 11/24 05:30 Halo ## 114 200 N22W07 9236 X2.3 11/24 15:30 Halo ## 115 3000 N21W14 9236 X1.8 11/24 22:06 Halo
111 9000 S26W40 9238 C5.4 11/23 06:06 Halo ## 112 3000 S20E60 9239 C7.9 11/23 21:30 124 ## 113 100 N20W05 9236 X2.0 11/24 05:30 Halo ## 114 200 N22W07 9236 X2.3 11/24 15:30 Halo ## 115 3000 N21W14 9236 X1.8 11/24 22:06 Halo
112 3000 S20E60 9239 C7.9 11/23 21:30 124 ## 113 100 N20W05 9236 X2.0 11/24 05:30 Halo ## 114 200 N22W07 9236 X2.3 11/24 15:30 Halo ## 115 3000 N21W14 9236 X1.8 11/24 22:06 Halo
113
113
114 200 N22W07 9236 X2.3 11/24 15:30 Halo ## 115 3000 N21W14 9236 X1.8 11/24 22:06 Halo
115 3000 N21W14 9236 X1.8 11/24 22:06 Halo
110 5000 NO/L30 5240 NO.2 11/25 01.31 Naio
117
119
120
121 6000 S07E40 9313 M1.2 01/20 19:31 Halo
122
123 400 S23W57 9320 C1.6 01/26 12:06 276
124 200 S04W59 9313 M1.5 01/28 15:54 Halo
125 5500 N24W57 9346 C6.5 02/11 01:31 Halo
126 4000 N27W42 9368 M6.7 03/10 04:26 297
127
128
129
130 60 N20W19 9393 X1.7 03/29 10:26 Halo
131 5000 N20W70 9393 X1.1 04/02 11:26 270
132
134
135
136 230 S21E31 9415 X5.6 04/06 19:30 Halo
137
138
139
140 7000 S19W43 9415 X2.0 04/12 10:31 Halo
141 40 S20W85 9415 X14. 04/15 14:06 245
142
143
144
145
146
147 3000 S26E41 9502 M6.3 06/15 10:31 185
147 3000 320141 9302 Mo.3 00/13 10.31 183
149
150
151 10000 N15E44 9601 M3.0 08/30 21:26 82
152 7500 S23E90 9607 M2.5 09/03 18:35 127
153 6000 S21W49 9608 M1.5 09/15 11:54 263

	154	2000	S13E15	9616	C8.9	09/16		131
	155	5400	S14E04	9616	M1.5	09/17	08:54	198
##	156	10000	N09W11	9631	M1.5	09/20	19:31	306
##	157	30	S16E23	9632	X2.6	09/24	10:30	Halo
##	158	80	S15W40	EP	C9.5	09/27	08:06	224
##	159	150	S24W81	9628	M9.1	10/01	05:30	Halo
##	160	500	SW90b	<na></na>	<na></na>	10/05	10:30	Halo
##	161	200	S28E08	9653	M1.4	10/09	11:30	Halo
	162	2000	S28E08	9653	<na></na>	<na></na>	<na></na>	<na></na>
	163	50	BACK	<na></na>	<na></na>	<na></na>	<na></na>	<na></na>
	164	1300	N16W18	9661	X1.6	10/19	01:27	Halo
	165	30	N15W29	9661	X1.6	10/19	16:50	Halo
	166	1200	S21E18	9672	M6.7	10/13		Halo
		30		9672	X1.3	10/25		Halo
	167		S16W21				15:26	
	168	70 1700	N06W18	9684	X1.0	11/04	16:35	Halo
	169	1700	S13E42	9704	M2.8	11/17		Halo
	170	1000	S25W67	9698	M3.8	11/22		Halo
	171	40	S17W36	9704	M9.9	11/22	23:30	Halo
##	172	750	SW90b	<na></na>	<na></na>	12/11	09:54	263
##	173	1000	SE90b	<na></na>	<na></na>	12/25	11:30	Halo
##	174	150	N08W54	9742	M7.1	12/26	05:30	281
##	175	350	S26E90	9756	X3.4	12/28	20:30	Halo
##	176	1500	BACK	<na></na>	<na></na>	12/29	20:30	297
##	177	90	NE90b	<na></na>	<na></na>	01/08	17:54	Halo
##	178	100	S28W83	9772	M4.4	01/14	05:35	Halo
##	179	3000	Back?	<na></na>	<na></na>	01/27	12:30	Halo
##	180	11000	BACK	<na></na>	<na></na>	02/01	19:54	350
	181	1500	N16W79	9825	M3.9	02/21	12:54	275
	182	8000	S11E90	9866	M2.3			Halo
	183	2200	S15E45	<na></na>	M5.0		23:30	Halo
	184	6000	S08W03	9866	M2.2			Halo
	185	1000	S20E24	9871	C3.1			141
	186	1000	S15W22	9873	M1.0			
	187	500	S09W90	9866	M1.6		11:06	Halo
	188	2000	S00W90	9866	M1.6			243
	189	12000	N15W14	9893	M8.2	04/10	13:27	340
	190	8000	N19W57	9893	C9.6	04/14	07:50	323
	191	1500	S15W01	9906	M1.2	04/15		Halo
##	192	40	S14W34	9906	M2.6	04/17	08:26	Halo
##	193	60	S14W84	9906	X1.5	04/21	01:27	Halo
##	194	2500	S16E77	9934	C3.2	04/30	14:26	92
##	195	500	W90b	<na></na>	<na></na>	04/30	23:26	254
##	196	900	E90b	9937	<na></na>	05/02	23:18	119
##	197	2000	S22E01	9948	C4.5	05/16	00:50	Halo
	198	8000	S25W64	9948	C9.7	05/22		230
	199	5000	N18E18	9967	C3.7	05/27	13:27	49
	200	200	S19W90	10017	M1.0	07/07		277
	201	650	W90b	<na></na>	<na></na>	07/09	19:31	Halo
	202	175	N19W01	10030	M1.8	07/03 07/15		14
##	202	1/3	MTAMOT	TOOSO	1.17.0	0//13	21.30	14

(
	203	2000	N21W17	10030	M8.5	07/17		36
	204	1500	N19W30	10030	X1.8	07/18	08:06	Halo
	205	3000	E90b	10036	C3.3	07/18	19:31	Halo
##	206	1000	S15E90	<na></na>	<na></na>	07/19	16:30	Halo
##	207	2000	SE90b	10039	X3.3	07/20	22:06	Halo
##	208	400	S13E72	10039	X4.8	07/23	00:42	Halo
##	209	2000	S19E26	10039	M8.7	07/26	22:06	Halo
##	210	1300	N10W15	FILA	<na></na>	07/29	12:07	13
##	211	2000	S16W76	10039	X1.0	08/03	19:31	259
##	212	30	N09W54	10061	M2.3	08/14	02:30	297
	213	300	N07W83	10061	M2.4	08/16	06:06	293
	214	60	S14E20	10069	M5.2	08/16	12:30	Halo
	215	400	S02W81	10069	X3.1	08/24		Halo
	216	30	N09E28	10102	C5.2	09/05	16:54	Halo
	217	8500	S10E43	10102	M2.9	09/10	15:30	127
								64
	218	8000	N13E45	10134	M1.8	09/27		
	219	4000	S07W54	10150	C4.7	10/13	19:35	252
	220	500	S13E75	10159	M2.2	10/13	23:54	107
	221	1200	NE90b	<na></na>	C4.5	10/14		Halo
	222	300	SE90b	<na></na>	<na></na>	10/27		Halo
	223	100	S12W29	10180	M4.6	11/09	13:31	Halo
##	224	300	S12W37	10180	M2.4	11/10	03:30	203
	225	600	S13W60	10180	M1.8	11/11	15:54	212
##	226	7000	N20E35	<na></na>	<na></na>	11/24	20:30	Halo
##	227	1500	N15W09	10229	M2.7	12/19	22:06	Halo
##	228	3500	N23W42	10223	M1.1	12/22	03:30	328
##	229	6000	N34W26	FILA	C1.7	01/20	18:30	315
##	230	8000	S17W23	FILA	C2.4	01/27	22:23	205
##	231	500	S15W46	10314		03/18		263
	232	7000	S90b	<na></na>	<na></na>	03/18	13:54	Halo
	233	6000	SW90b	<na></na>	<na></na>	03/19		Halo
	234	700	NE90b	<na></na>		-		87
	235	2000	S07W17		X1.3			_
	236	200	S06W21	10365	X3.6			Halo
	237	200	S06W37	10365	X1.2	05/28 05/29		Halo
	238	200 150	S07W65	10365	M9.3	05/29 05/31	02:30	Halo
	239	????	W90b	<na></na>	<na></na>	06/05 06/15		230
	240	400	S07E80	10386	X1.3	06/15		Halo
	241	200	S08E59	10386		06/17		Halo
	242	400	N13W90	10397		<na></na>	<na></na>	<na></na>
	243	1000	S10W57	10431	M2.7	08/19		262
	244		SE90b	<na></na>	<na></na>	10/21	03:54	Halo
	245	1500	S15E44	10486	X1.2	10/26	06:54	108
##	246	1500	N02W38	10484	X1.2	10/26	17:54	270
##	247	40	S16E08	10486	X17.	10/28	11:30	Halo
##	248	500	S15W02	10486	X10.	10/29	20:54	Halo
##	249	2000	S12W60	10486	M3.2	11/01	23:06	254
##	250	????	SW90b	<na></na>	<na></na>	11/02	09:30	Halo
##	251	250	S14W56	10486	X8.3	11/02		Halo
						,	. = =	

	252	1500	N10W83	10488	X2.7	11/03		
	253	400	N08W77	10488	X3.9	11/03	10:06	293
	254	3333	Back?	<na></na>	<na></na>	11/04	12:06	Halo
##	255	200	S19W83	10486	X28.	11/04	19:54	Halo
##	256	3333	E90b	<na></na>	<na></na>	11/09	06:30	Halo
##	257	3333	W90b	<na></na>	<na></na>	11/11	02:30	Halo
##	258	4000	N12E90	10501	M1.4	11/13	09:30	49
##	259	1500	S01E33	10501	M4.2	11/17	09:26	72
##	260	????	N00E18	10501	M3.9	11/18	08:50	Halo
	261	2000	S16E90	10508	M4.5	11/18		95
	262	9000	S14W70	10508	C7.2	12/02	10:50	261
	263	2500	S12E38	10536	M6.9	<na></na>	<na></na>	<na></na>
	264	2000	N05E90	10537	M5.8	01/06	08:53	88
	265	750	N02E82	10537	M4.5	01/07	04:06	78
						•		
	266	1500	N06E75	10537	M8.3	01/07	10:30	81
	267	300	S18E15	10588	M2.4	04/06		Halo
	268	500	S15W11	10588	C7.4	04/08		Halo
	269	3000	S19W08	10588	C1.3	04/08	13:31	198
	270	500	S14W47	10588	C9.6	04/11	04:30	203
	271	2100	W90b	<na></na>	<na></na>	06/02	23:15	287
##	272	5000	W90b	<na></na>	<na></na>	06/03	16:50	303
##	273	2500	W90b	<na></na>	<na></na>	06/04	07:50	309
##	274	7000	S12W24	10635	C1.7	<na></na>	<na></na>	<na></na>
##	275	5000	S09W21	10635	C2.5	<na></na>	<na></na>	<na></na>
##	276	2500	N04W05	10652	C4.1	07/23	19:31	209
##	277	28	N08W33	10652	M1.1	07/25	14:54	Halo
##	278	50	N00W90	10652	C2.1	07/29	12:06	Halo
	279	200	N05W89	10652	C8.4	07/31		259
	280	7000	BACK	<na></na>		08/08		Halo
	281	40	N03E49	10672	M4.8	09/12	00:36	Halo
	282	2500	N03U58	10672	M1.9	<na></na>		<na></na>
	283	8000	N11E19	10687				26
								_
	284	1000	N13W22	10691	M4.2	10/30	06:54 06:06	
	285	400	W90b	<na></na>	<na></na>	11/01		266
	286	3400	N09E38	10696	M5.0	11/03		Halo
	287	1200	N09E45	10696	M1.6	11/03	03:54	91
	288	700	N09E05	10696	M3.6	11/06	02:06	351
	289	60	N09W17	10696	X2.0	11/07		Halo
	290	5000	N08W51	10696	M8.9	11/09		Halo
##	291	1000	N09W49	10696	X2.5	11/10	02:26	Halo
##	292	60	N08W02	10708	M1.5	12/03	00:26	Halo
##	293	8000	N08W03	10709	C2.5	12/08	20:26	Halo
##	294	4500	N04E62	10715	M2.3	12/29	16:45	71
##	295	700	N04E46	10715	M4.2	12/30	22:30	Halo
##	296	450	N06E34	10715	X1.7	01/01	00:54	Halo
	297	6000	N05W11	10715	C7.3	<na></na>	<na></na>	<na></na>
	298	250	N16E04	10720	M8.6	01/15		Halo
	299	40	N15W05	10720	X2.6	01/15	23:06	Halo
	300	30	N15W25	10720	X2.0	01/17		Halo
ππ	200	20	11171127	10/20	74.0	01/1/	09.50	пато

## 301										
## 303	##	301	40	N15W51	10720	X1.3	01/19	08:29	Halo	
## 304	##	302	1500	N15W25	10720	X3.8	01/17	09:54	Halo	
## 305	##	303	25	N14W61	10720	X7.1	01/20	06:54	Halo	
## 306	##	304	4000	BACK	<na></na>	<na></na>	02/01	11:06	Halo	
## 307	##	305	5500	S05E90	10758	C8.0	05/02	22:26	105	
## 308	##	306	1500	S05E90	10758	<na></na>	05/03	00:26	82	
## 309	##	307	4000	S09E29	10758	C8.5	05/06	17:28	Halo	
## 310	##	308	40	N12E11	10759	M8.0	05/13	17:12	Halo	
## 311 1000 N08W90 10775 M4.0	##	309	1500	BACK	<na></na>	<na></na>	05/17	03:06	252	
## 312	##	310	270	N15E90	10775	M1.0	06/03	12:32	Halo	
## 313 600 N12W28 10786 M2.8 07/09 22:30 Halo ## 314 1000 N11W90 10786 M5.0 07/13 14:30 Halo ## 315 800 N11W90 10786 X1.2 07/14 10:54 Halo ## 316 300 BACK (NA> (NA> 07/17 11:30 Halo ## 317 150 BACK (NA> (NA> 07/17 11:30 Halo ## 318 700 BACK (NA> (NA> 07/24 22:30 Halo ## 319 450 N11E90 10792 M3.7 07/27 04:54 Halo ## 320 1000 NE90b (NA> (NA> 07/27 07:54 65 ## 321 80 N12E60 10792 X1.3 07/30 06:50 Halo ## 322 4500 N13E32 10792 M1.0 08/01 14:30 83 ## 323 550 S11W54 10798 M2.6 08/22 01:31 Halo ## 324 40 S13W65 10798 M5.6 08/22 17:30 Halo ## 325 400 S14W90 10798 M2.7 08/23 14:54 Halo ## 326 6000 BACK (NA> (NA> 08/29 10:54 Halo ## 327 800 N13W13 10803 C2.0 08/31 11:30 Halo ## 328 6000 BACK (NA> (NA> 09/03 03:12 Halo ## 329 500 BACK (NA> (NA> 09/03 03:12 Halo ## 330 60 S07E81 (NA> (NA> 09/05 09:48 Halo ## 331 200 S11E77 10808 X1.7 (NA> (NA> (NA> (NA> (NA> (NA> (NA> (NA>	##	311	1000	N08W90	10775	M4.0	<na></na>	<na></na>	<na></na>	
## 314 1000 N11W90 10786 M5.0 07/13 14:30 Halo ## 315 800 N11W90 10786 X1.2 07/14 10:54 Halo ## 316 300 BACK (NA> (NA> 07/17 11:30 Halo ## 317 150 BACK (NA> (NA> 07/24 13:54 Halo ## 318 700 BACK (NA> (NA> 07/24 13:54 Halo ## 319 450 N11E90 10792 M3.7 07/27 04:54 Halo ## 320 1000 NE90b (NA> (NA> 07/27 07:54 65 ## 321 80 N12E60 10792 X1.3 07/30 06:50 Halo ## 312 450 N13E32 10792 M1.0 08/01 14:30 83 ## 322 4500 N13E32 10792 M1.0 08/01 14:30 83 ## 323 550 511W54 10798 M2.6 08/22 01:31 Halo ## 324 40 S13W65 10798 M5.6 08/22 17:30 Halo ## 325 400 S14W90 10798 M2.7 08/23 14:54 Halo ## 326 6000 BACK (NA> (NA> 08/29 10:54 Halo ## 327 800 N13W13 108803 C2.0 08/31 11:30 Halo ## 328 6000 BACK (NA> (NA> 08/31 22:30 Halo ## 330 60 S07E81 (NA> C2.7 09/05 09:48 Halo ## 331 200 S11E77 10808 X1.7 (NA> 09/03 03:12 Halo ## 333 300 S13E47 10808 X6.2 09/09 19:48 Halo ## 333 300 S13E47 10808 X2.1 09/10 21:52 Halo ## 334 355 S09E10 10808 X6.2 09/09 19:48 Halo ## 335 S09E10 10808 X1.7 (NA> (NA> 08) ## 337 300 S09W34 10898 M3.0 09/11 13:00 Halo ## 338 400 S16W08 10904 C3.6 08/16 16:30 Halo ## 339 2000 S10E08 10876 C1.8 04/30 09:54 Halo ## 331 200 S10E08 10905 C2.5 08/26 20:57 164 ## 332 50 S12E67 10808 M3.0 09/11 13:00 Halo ## 333 300 S09E08 10876 C1.8 04/30 09:54 Halo ## 334 355 S09E10 10808 M3.5 09/10 21:52 Halo ## 335 S09E08 10876 C1.8 04/30 09:54 Halo ## 336 200 S09E08 10876 C1.8 04/30 09:54 Halo ## 337 300 S09W34 10898 M2.5 07/06 08:54 Halo ## 338 400 S16W08 10904 C3.6 08/16 16:30 Halo ## 339 2000 S10E08 10905 C2.5 08/26 20:57 164 ## 344 200 S07E69 10930 M1.1 (NA> (NA> (NA> (NA> (NA> (NA> (NA> (NA>	##	312	2000	N09E03	10786	M4.9	07/07	17:06	Halo	
## 315	##	313	600	N12W28	10786	M2.8	07/09	22:30	Halo	
## 315	##	314	1000	N11W90	10786	M5.0	07/13	14:30	Halo	
## 316	##	315		N11W90	10786			10:54	Halo	
## 317	##	316	300	BACK	<na></na>	<na></na>			Halo	
## 318	##	317	150		<na></na>					
## 319	##	318								
## 320										
## 321 80 N12E60 10792 X1.3 07/30 06:50 Halo ## 322 4500 N13E32 10792 M1.0 08/01 14:30 83 ## 323 550 S11W54 10798 M2.6 08/22 01:31 Halo ## 324 40 S13W65 10798 M5.6 08/22 17:30 Halo ## 325 400 S14W90 10798 M2.7 08/23 14:54 Halo ## 326 6000 BACK										
## 322										
## 323										
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## 328 6000 BACK										
## 329 500 BACK										
## 330 60 S07E81										
## 331										
## 332										
## 333										
## 334										
## 335										
## 336										
## 337 300 \$09W34 10898 M2.5 07/06 08:54 Halo ## 338 400 \$16W08 10904 C3.6 08/16 16:30 Halo ## 339 2000 \$10E08 10905 C2.5 08/26 20:57 164 ## 340 400 E90b							-			
## 338										
## 339										
## 340										
## 341 6000 E90b										
## 342 300 E90b <na> C8.8 11/06 17:54 Halo ## 343 250 S07E68 10930 X9.0 <na> <na> <na> ## 344 200 S07E69 10930 M1.1 <na> <na> <na> <na> ## 345 600 S04E63 10930 M6.0 <na> <na> <na> <na> ## 346 30 S05E64 10930 X6.5 <na> <na> <na> <na> ## 347 150 S06W23 10930 X3.4 12/13 02:54 Halo ## 348 1500 S06W46 10930 X1.5 12/14 22:30 Halo</na></na></na></na></na></na></na></na></na></na></na></na></na></na></na></na>										
## 343										
## 344 200 S07E69 10930 M1.1 <na> <na> <na> <na> <h# 10930="" 345="" 600="" <ha="" m6.0="" s04e63=""> <ha> <ha> <ha> <ha> <ha> <ha> <ha></ha></ha></ha></ha></ha></ha></ha></h#></na></na></na></na>										
## 345 600 S04E63 10930 M6.0 <na> <na> <na> <na> ## 346 30 S05E64 10930 X6.5 <na> <na> <na> ## 347 150 S06W23 10930 X3.4 12/13 02:54 Halo ## 348 1500 S06W46 10930 X1.5 12/14 22:30 Halo</na></na></na></na></na></na></na>										
## 346 30 S05E64 10930 X6.5 <na> <na> <na> ## 347 150 S06W23 10930 X3.4 12/13 02:54 Halo ## 348 1500 S06W46 10930 X1.5 12/14 22:30 Halo</na></na></na>										
## 347 150 S06W23 10930 X3.4 12/13 02:54 Halo ## 348 1500 S06W46 10930 X1.5 12/14 22:30 Halo										
## 348 1500 S06W46 10930 X1.5 12/14 22:30 Halo										
## ארם ארב אר ארד ארב אר ארד ארב אר ארד ארב ארד										
	##	349	90	SUSESU	10940	C6.3	01/25	06:54	нато	

	350	13000	N07W06	10956	B9.5			260
	351	6000	S08E81	10980	C8.3	12/31	01:31	92
##	352	800	S13E78	10989	M1.7	03/25	19:31	98
##	353	4900	N08E09	<na></na>	B3.8	04/26	14:30	65
##	354	700	N20E36	11092	C3.2	<na></na>	<na></na>	<na></na>
##	355	700	N11E34	11093	M1.0	08/07	18:36	Halo
##	356	700	N18W88	11099	C4.5	08/18	05:48	255
##	357	3500	E90b	<na></na>	<na></na>	01/13	09:36	79
##	358	8000	N12W87	11149	C1.2	01/27	12:36	255
##	359	8000	S20E04	11158	M6.6	02/13	18:36	359
##	360	400	S20W12	11158	X2.2	02/15	02:24	Halo
	361	700	N15E87	11163	M3.5	02/24	07:48	70
	362	7000	N10E18	11166	M1.9	03/07		354
	363	200	N31W53	11164	M3.7	03/07	20:00	Halo
	364	900	N16E88	<na></na>	C5.4	05/09	20:57	55
	365	90	S19E72	11227	C8.7	05/29		107
	366	4000	S19E25	11227	C3.7	05/23	08:12	Halo
			W90b		<na></na>			Halo
	367	300		11222		06/04 06/04	06:48	
	368	25	W90b	11222	<na></na>	06/04	22:05	Halo
	369	250	S21W54	11226	M2.5	06/07		Halo
	370	3000	N14W15	11261	M1.4	08/02	06:36	288
	371	60	N19W36	11261	M9.3	08/04	04:12	Halo
	372	400	N16W61	11263	M3.5	08/08	18:12	305
	373	4000	N17W69	11263	X6.9	08/09	08:12	Halo
##	374	200	N14W07	11283	M5.3	09/06	02:24	Halo
##	375	150	N14W18	11283	X2.1	09/06	23:05	Halo
##	376	70	N09E89	11302	X1.4	09/22	10:48	Halo
##	377	300	N10E56	11302	M7.1	09/24	12:48	Halo
##	378	8000	N11E47	11302	M7.4	09/25	05:12	98
##	379	6500	N05W79	11319	M1.3	10/21	13:25	252
##	380	400	N24E35	11343	M1.1	11/09	13:36	Halo
##	381	50	N17W49	11353	C1.2	11/26	07:12	Halo
##	382	400	BACK	<na></na>	<na></na>	12/21	03:12	Halo
##	383	7000	S22W26	11387	M4.0	12/25		247
##	384	4000	BACK	<na></na>	<na></na>	01/02		Halo
##	385	100	N32E22	11402	M3.2	01/19	14:36	Halo
	386	40	N28W21	11402	M8.7	01/23	04:00	Halo
	387	150	N27W71	11402	X1.7	01/27		Halo
	388	400	N17E52	11429		03/05		Halo
	389	30	N17E27	11429	X5.4	03/07		Halo
	390	1000	N15W03	11429	M6.3	03/07		Halo
	391	30	N17W24	11429	M8.4	03/09	18:00	Halo
	392	200		11429	M7.9			Halo
			N17W66			03/13	17:36	
	393	200	BACK	<na></na>	<na></na>	03/18		Halo
	394	300	BACK	<na></na>	<na></na>	03/24		Halo
	395	1500	BACK	<na></na>	<na></na>	03/26		Halo
	396	1500	BACK	<na></na>	<na></na>	03/27		261
	397	5000	N20W65	11451	C3.9	04/09	12:36	Halo
##	398	4000	N10E90	11461	C1.7	04/15	02:24	79

	399	300	N11W76	11476	M5.1	05/17	01:48	Halo
	400	8000	N14W34	11513	M1.8	07/04	17:24	Halo
##	401	800	S12W46	11515	M1.6	07/05	22:00	220
##	402	300	S13W59	11515	X1.1	07/06	23:24	Halo
##	403	300	S17W74	11515	M6.9	07/08	16:54	212
##	404	250	S15W01	11520	X1.4	07/12	16:48	Halo
##	405	150	S28W65	11520	C9.9	07/17	13:48	255
##	406	600	S13W88	11520	M7.7	07/19	05:24	Halo
##	407	20	S17W132	11520	<na></na>	07/23	02:36	Halo
##	408	400	S25E59	11563	C8.1	08/31	20:00	Halo
##	409	250	N06W34	11577	C3.7	09/28	00:12	Halo
	410	200	S10E76	11598	M1.3	10/21	20:57	83
	411	200	S33W64	11650	C2.2	01/16	19:00	211
	412	100	N11E12	11692	M1.1	03/15	07:12	Halo
	413	200	N09E12	11719	M6.5	04/11	07:24	Halo
	414	4000	N11W83	11719	C6.5	04/11		284
	415	1700	S19W53	11713	C2.7	04/18		255
	416	2000	N11E90	11748	X1.7	05/13 05/13	02:00 16:07	Halo
	417	300	N11E85	11748	X2.8	05/13		Halo
	418	700	NØ8E77	11748	X3.2	05/14	01:25	Halo
	419	250	N12E64	11748	X1.2	05/15	01:48	Halo
	420	150	N15W70	11745	M5.0	05/22	13:25	Halo
	421	2000	S16E73	11777	M2.9	06/21	03:12	123
	422	400	S18W19	11777	C4.4	06/28	02:00	Halo
##	423	2900	S14E62	11787	C6.8	07/04	20:12	111
##	424	11000	N27E25	EP	B4.5	08/06	02:12	48
##	425	150	S05W30	11818	M1.4	08/17	19:12	Halo
##	426	50	N15E46	11836	C8.3	08/30	02:48	Halo
##	427	2000	N10E104	DIM	<na></na>	09/06	20:48	90
##	428	60	N17W29	EP	C1.3	09/29	22:12	Halo
##	429	5200	N20W85	DIM	C1.2	10/02	20:36	309
##	430	200	S22E118	11865	<na></na>	10/05	07:09	Halo
	431		N21E103	11869	<na></na>	10/11		
##	432	600	<na></na>	<na></na>	<na></na>	10/13		<na></na>
	433	650	N04W01	11875	M4.2	10/22		Halo
	434	200	S06E69	11882	X2.1	10/25		Halo
	435	200	N09W44	11875		10/26		271
	436	5000	N08W49	11875		10/26		286
	437	1700	N06W70	11875		10/27		308
	438	200	N08W71	11875		10/27		315
	439	9000	S06E28	11882	M4.4	10/28		Halo
	440							
		450 100	N03W165	11875		11/04		Halo
	441	100	N02E151	11899	<na></na>	11/07		Halo
	442	100	S14W70	11893	X1.0	11/19		Halo
	443	100		11899	<na></na>	11/29		251
	444	1600		DIM	<na></na>	12/05		133
	445	2500	<na></na>	<na></na>	<na></na>	<na></na>	<na></na>	<na></na>
	446	3000		11909	M1.2	12/07		Halo
##	447	70	S23W46	11912	C4.6	12/12	03:36	214

##	448	400	<na></na>	<na></na>	<na></na>	12/20	04:36	255
##	449	500	S15W125	11928	<na></na>	12/28	17:36	Halo
##	450	100	<na></na>	<na></na>	<na></na>	<na></na>	<na></na>	<na></na>
##	451	100	<na></na>	<na></na>	<na></na>	<na></na>	<na></na>	<na></na>
##	452	80	S15W112	11936	<na></na>	01/06	08:00	Halo
##	453	60	S15W11	11943	X1.2	01/07	18:24	Halo
	454	8000	S07E67	DIM	C3.6	01/20	22:00	Halo
	455	900	S24W43	EP	<na></na>	02/18	01:36	Halo
	456	7700	S15W73	11976	M3.0	02/20	08:00	Halo
	457	100	S13E82	11990	X4.9	02/25	01:25	Halo
	458	2000	N13W170	12005	<na></na>	03/04	18:48	Halo
	459	500	N14E180	<na></na>	<na></na>	03/05	13:48	Halo
	460	400	S23W130	EP	<na></na>	03/25	05:36	261
	461	2200	N11W23	12017	M2.6	03/28	23:48	325
	462	200	S08W152	12011	<na></na>	03/29	18:12	Halo
	463	60	N11E53	12027	M6.5	04/02	13:36	Halo
	464	200	<na></na>	<na></na>	<na></na>	<na></na>	<na></na>	<na></na>
##	465	11000	N13E26	12027	C8.3	04/04	14:12	54
##	466	150	S20W34	12036	M7.3	04/18	13:25	Halo
##	467	200	N11E53	12027	<na></na>	05/07	16:24	Halo
##	468	1100	S09W108	12051	<na></na>	05/08	03:24	Halo
##	469	500	S11W122	12051	<na></na>	05/09	02:48	Halo
##	470	400	S11W136	12051	<na></na>	05/10	04:36	Halo
##	471	1000	S17E82	12087	X1.5	06/10	13:30	Halo
##	472	6000	S20W55	12085	M3.1	06/12	22:12	233
##	473	4500	N10E30	EP?	C1.5	07/30	07:00	13
	474	150	S10E11	12127	M1.5	08/01	18:36	Halo
	475	6000	N12E01	12146	C2.2	08/22	11:12	Halo
	476	4000	N05W36	12146	M2.0	08/25	15:36	Halo
	477	7200	N07W43	12146	M3.9	08/25	20:48	273
	478	600	S19E162	12157	<na></na>	08/28	17:24	Halo
	479		N14E127	_	<na></na>		11:12	Halo
	480	100	N14E127	12158	M4.5	09/01	00:06	Halo
	481	100	N12E29 N14E02		M4.5 X1.6	09/09 09/10		
			N14E02 S11W89	12158				Halo
	482	9700		12164	<na></na>	09/20 00/22	05:24 06:13	292
	483	4900		12158	<na></na>	09/22	06:12	342
	484	12000	S13E33	12172	M2.3	09/23		109
	485	500	N13E179	EP	<na></na>	09/24		Halo
	486	1900	S17W82	12173	M7.3	10/02	19:12	264
	487	1500	S20W51	EP	C3.0	10/10		309
	488	8900	S18E36	12192	C4.4	10/21	12:48	152
	489	7800	W90b	12203	<na></na>	11/08	16:36	305
##	490	3900	W90b	<na></na>	<na></na>	12/13	14:24	Halo
##	491	2100	S11E33	12241	M1.1	12/17	02:00	107
##	492	11500	S20E09	12242	M8.7	12/17	05:00	Halo
##	493	1300	S11E15	12241	M6.9	12/19	01:04	Halo
##	494	7400	S14W25	12241	M1.0	12/21	12:12	Halo
##	495	3600	W90b	12290	M8.2	03/03	01:48	329
##	496	200	S20E87	12297	M1.5	03/06		83
						-		

## 497 6.200 \$13E45 12297 M5.8 03/10 00:00 Halo ## 498 250 \$15E23 12297 M2.6 03/11 08:24 62 ## 499 400 \$N990b KNA KNA 03/24 08:24 Halo ## 501 500 N15E79 12339 X2.7 05/05 22:24 Halo ## 501 500 N15E79 12339 X2.7 05/05 22:24 Halo ## 503 200 \$03E25 12364 C2.8 06/09 20:12 77 ## 504 41250 512W34 12365 C5.9 06/14 04:12 199 ## 505 500 N12E13 12371 M3.0 06/14 04:12 199 ## 506 150 N12E13 12371 M3.0 06/21 02:36 Halo ## 507 300 N12W08 12371 M7.9 06/25 08:36 Halo ## 508 150 N09W2 12371 M7.9 06/25 08:36 Halo ## 509 150 N09W5 KNA KNA 07/01 14:36 Halo ## 510 7300 515E13 12403 M1.2 08/22 07:12 Halo ## 511 400 521W10 12415 C2.6 09/18 05:00 201 ## 513 440 N09W64 12445 M3.7 11/04 14:48 Halo ## 514 9000 511E41 12449 M3.9 11/09 13:25 142 ## 515 6700 \$22E63 12473 M4.7 12/23 01:25 98 ## 517 180 523W11 12473 M4.7 12/23 01:25 98 ## 519 500 KNA KNA KNA KNA KNA KNA KNA ## 519 500 KNA KNA KNA KNA KNA KNA KNA KNA ## 519 500 KNA KNA KNA KNA KNA KNA KNA ## 521 10500 N06W61 12535 C1.3 05/04 14:12 23:04 Halo ## 512 3000 KNA KNA KNA KNA KNA KNA KNA ## 521 10500 N06W61 12535 C1.3 05/04 14:12 23:04 Halo ## 514 500 KNA KNA KNA KNA KNA KNA KNA KNA ## 521 10500 N06W61 12535 C1.3 05/04 14:12 23:04 Halo ## 514 500 KNA KNA										
## 499	##	497								
## 500	##	498	250	S15E23	12297	,	M2.6	03/11	08:24	62
## 501	##	499	400	SW90b	<na></na>		<na></na>	03/24	08:24	Halo
## 502 6400 W90b	##	500	4600	W90b	<na></na>		<na></na>	04/26	03:24	Halo
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## 505	##	504	1250	S12W34	12365	;	C5.9	06/14	04:12	199
## 506	##	505	500	N15E50	12371		M3.0	06/18	17:24	Halo
## 507	##	506	150							
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## 515 3800 \$13W04 12468										
## 516 6700 \$22E63 12473										
## 517										
## 518 300 \$25\text{82} 12473										
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## 523 3400										
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## 4				<na></na>						
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## 14 360 878 PHTX NA ## 15 360 464 PHTX NA ## 16 165 296 PHTX NA ## 17 155 712 PHTX NA ## 18 109 227 PHTX NA										
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## 17 155 712 PHTX NA ## 18 109 227 PHTX NA										
## 18 109 227 PHTX NA										
## 19 122 352 PHTX NA										
	##	19	122	352	PHTX	NA				

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## 4
                      of
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                                                         are determined
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## 9
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## 96	10:30	07/15 14:30 14000	
## 97	11:45	07/22 12:45 14000	
## 98	11:35	08/11 11:59 2800	
## 99	12:00	09/13 12:20 14000	
## 100	18:15	09/12 19:00 2000	
## 101	04:30	09/16 10:30 14000	
## 102	08:45	09/19 10:20 12000	
## 103	02:20	09/25 03:00 14000	
## 104	22:10	10/05 22:35 5000	
## 105	07:10	10/16 08:00 14000	
## 106	09:30	10/25 24:00 10000	
## 107	18:35	11/03 18:45 4000	
## 108	23:20	11/09 12:00 4000	
## 109	16:15	11/11 04:00 10000	
## 110	14:25	11/12 14:40 3000	
## 111	08:16	11/23 08:35 14000	
## 112	21:00	11/23 21:06 3500	
## 113	05:10	11/24 15:00 14000	
## 114	15:25	11/24 22:00 14000	
## 115	22:24	11/24 22:36 4000	
## 116	01:25	11/25 02:25 14000	
## 117	19:00	11/25 19:35 6000	
## 118	19:55	11/25 20:25 13000	
## 119	17:00	11/26 17:15 14000	
## 120	12:40	12/28 13:38 14000	
## 121	19:12	01/20 19:16 14000	
## 122	21:30	01/20 24:00 14000	
## 123	12:06	01/26 14:20 14000	
## 124	15:45	01/28 17:00 14000	
## 125	01:40	02/11 01:55 12000	
## 125	04:18	03/10 04:32 14000	
## 120 ## 127	05:35	03/12 05:45 3000	
## 127 ## 128	02:35	03/12 03.45 3000	
## 128 ## 129	15:00	03/27 03.13 0000	
## 129 ## 130	10:12		
## 131 ## 132	11:30		
## 132 ## 133	22:05	04/03 02:30 14000 04/03 07:35 14000	
## 133	03:40	04/03 07:25 14000	
## 134 ## 135	09:50	04/04 10:10 13000	
## 135	00:00	04/05 00:00 14000	
## 136	19:35	04/07 01:50 14000	
## 137	15:53	04/10 01:00 12000	
## 138	05:24	04/10 24:00 14000	
## 139	13:15	04/11 14:15 14000	
## 140	10:20	04/12 10:40 14000	

## 142					
## 143	## 141	14:05		13:00	
## 144	## 142	02:55		14:00	
## 145	## 143	12:40	04/28	05:00	5000
## 146	## 144	12:00	05/07	13:50	2000
## 147	## 145	23:52	05/13	00:12	3000
## 148	## 146	00:25	05/30	01:38	14000
## 149	## 147	10:50	06/15	11:15	7000
## 150	## 148	16:05	06/15	16:20	14000
## 151	## 149	00:10	08/15	08:40	5400
## 152	## 150	16:50	08/25	23:00	8000
## 153	## 151	20:43	08/30	20:47	12000
## 153	## 152	18:48	09/03	19:00	12000
## 154	## 153				
## 155	## 154	13:50		14:10	3000
## 156	## 155				
## 157	## 156				
## 158	## 157				
## 159	## 158				
## 160	## 159				
## 161	## 160				
## 162	## 161				
## 163	## 162				
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## 166					
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## 169					
## 170					
## 171					
## 172 12:45 12/11 17:00 4500 ## 173 11:25 12/25 12:40 14000 ## 174 05:20 12/27 05:00 14000 ## 175 20:35 12/29 03:00 14000 ## 176 20:45 12/29 21:05 3000 ## 177 18:30 01/09 24:00 14000 ## 178 06:25 01/14 21:30 12000 ## 180 19:23 02/01 19:31 14000 ## 181 12:35 02/21 12:50 4000 ## 182 00:00 03/11 00:15 14000 ## 183 00:00 03/12 02:20 14000 ## 184 22:45 03/15 23:30 14000 ## 185 06:00 03/17 06:35 3000 ## 186 02:55 03/18 05:35 14000 ## 187 11:30 03/22 12:40 14000 ## 188 13:10 03/22 13:35 3000					
## 173 11:25 12/25 12:40 14000 ## 174 05:20 12/27 05:00 14000 ## 175 20:35 12/29 03:00 14000 ## 176 20:45 12/29 21:05 3000 ## 177 18:30 01/09 24:00 14000 ## 178 06:25 01/14 21:30 12000 ## 180 19:23 01/27 13:25 14000 ## 181 12:35 02/21 12:50 4000 ## 182 00:00 03/11 00:15 14000 ## 183 00:00 03/12 02:20 14000 ## 184 22:45 03/15 23:30 14000 ## 185 06:00 03/17 06:35 3000 ## 186 02:55 03/18 05:35 14000 ## 187 11:30 03/22 12:40 14000 ## 188 13:10 03/22 13:35 3000					
## 174					
## 175					
## 176 20:45 12/29 21:05 3000 ## 177 18:30 01/09 24:00 14000 ## 178 06:25 01/14 21:30 12000 ## 179 12:49 01/27 13:25 14000 ## 180 19:23 02/01 19:31 14000 ## 181 12:35 02/21 12:50 4000 ## 182 00:00 03/11 00:15 14000 ## 183 00:00 03/12 02:20 14000 ## 184 22:45 03/15 23:30 14000 ## 185 06:00 03/17 06:35 3000 ## 186 02:55 03/18 05:35 14000 ## 187 11:30 03/22 12:40 14000 ## 188 13:10 03/22 13:35 3000					
## 177 18:30 01/09 24:00 14000 ## 178 06:25 01/14 21:30 12000 ## 179 12:49 01/27 13:25 14000 ## 180 19:23 02/01 19:31 14000 ## 181 12:35 02/21 12:50 4000 ## 182 00:00 03/11 00:15 14000 ## 183 00:00 03/12 02:20 14000 ## 184 22:45 03/15 23:30 14000 ## 185 06:00 03/17 06:35 3000 ## 186 02:55 03/18 05:35 14000 ## 187 11:30 03/22 12:40 14000 ## 188 13:10 03/22 13:35 3000					
## 178					
## 179 12:49 01/27 13:25 14000 ## 180 19:23 02/01 19:31 14000 ## 181 12:35 02/21 12:50 4000 ## 182 00:00 03/11 00:15 14000 ## 183 00:00 03/12 02:20 14000 ## 184 22:45 03/15 23:30 14000 ## 185 06:00 03/17 06:35 3000 ## 186 02:55 03/18 05:35 14000 ## 187 11:30 03/22 12:40 14000 ## 188 13:10 03/22 13:35 3000					
## 180					
## 181					
## 182					
## 183					
## 184 22:45 03/15 23:30 14000 ## 185 06:00 03/17 06:35 3000 ## 186 02:55 03/18 05:35 14000 ## 187 11:30 03/22 12:40 14000 ## 188 13:10 03/22 13:35 3000					
## 185					
## 186 02:55 03/18 05:35 14000 ## 187 11:30 03/22 12:40 14000 ## 188 13:10 03/22 13:35 3000					
## 187					
# 188 13:10 03/22 13:35 3000					
## 103 12:09 04/10 13:02 13000					
	## 103	17:23	04/10	13:02	13000

# 191					
# 192	## 190				
# 193	## 191				
# 194	## 192		04/19	04:00	5000
# 195	## 193				
# 196	## 194		04/30	14:23	4000
# 197	## 195	22:30	04/30	23:20	2000
# 198	## 196	23:50	05/03	00:10	2800
# 199	## 197	01:50	05/16	03:30	9000
# 200	## 198	00:00	05/22	00:30	14000
# 201	## 199	12:50	05/27	13:50	14000
# 202	## 200	11:35	07/07	20:00	14000
# 203	## 201	19:46	07/09	20:40	1000
# 204	## 202	21:15	07/16	05:00	5000
# 205	## 203	07:30	07/17	07:45	3500
# 206	## 204	07:55	07/18	08:45	14000
# 206	## 205	20:55	07/18	21:40	6000
# 207	## 206				
# 208	## 207				
# 209	## 208				
# 210	## 209				
# 211	## 210				
# 212	## 211				
# 213	## 212				
# 214	## 213				
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# 230 22:20 01/27 22:26 11000 # 231 12:25 03/18 13:45 4500 # 232 13:55 03/18 14:10 14000 # 233 02:30 03/19 03:15 14000 # 234 07:25 04/22 08:22 3500 # 235 23:12 05/27 23:45 14000 # 236 01:00 05/29 00:30 1000 # 237 01:10 05/29 08:00 13000					
# 231 12:25 03/18 13:45 4500 # 232 13:55 03/18 14:10 14000 # 233 02:30 03/19 03:15 14000 # 234 07:25 04/22 08:22 3500 # 235 23:12 05/27 23:45 14000 # 236 01:00 05/29 00:30 1000 # 237 01:10 05/29 08:00 13000					
# 232 13:55 03/18 14:10 14000 # 233 02:30 03/19 03:15 14000 # 234 07:25 04/22 08:22 3500 # 235 23:12 05/27 23:45 14000 # 236 01:00 05/29 00:30 1000 # 237 01:10 05/29 08:00 13000					
# 233 02:30 03/19 03:15 14000 # 234 07:25 04/22 08:22 3500 # 235 23:12 05/27 23:45 14000 # 236 01:00 05/29 00:30 1000 # 237 01:10 05/29 08:00 13000					
# 234 07:25 04/22 08:22 3500 # 235 23:12 05/27 23:45 14000 # 236 01:00 05/29 00:30 1000 # 237 01:10 05/29 08:00 13000					
# 235 23:12 05/27 23:45 14000 # 236 01:00 05/29 00:30 1000 # 237 01:10 05/29 08:00 13000					
# 236 01:00 05/29 00:30 1000 # 237 01:10 05/29 08:00 13000					
# 237					
# 238					
	## 238	03:00	05/31	08:00	1000

## 239						
## 241			00:00			
## 242						
## 243			22:50		05:30	
## 244			14:10	07/10	16:10	4000
## 245	##	243	11:15	08/19	12:00	14000
## 246	##	244	04:10	10/21	04:55	5000
## 247	##	245	07:00	10/26	09:15	8000
## 248	##	246	17:45	10/26	19:40	14000
## 249	##	247	11:10	10/29	24:00	14000
## 250	##	248	20:55	10/29	24:00	11000
## 251	##	249	22:55	11/02	00:50	14000
## 252	##	250	00:00	11/02	00:00	????
## 253	##	251	17:30	11/03	01:00	12000
## 253	##	252	01:15			3000
## 254						
## 255						
## 256						
### 257				•		
## 258						
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## 275				-		
## 276						
## 277						
## 278						
## 279 07:10 07/31 11:30 1000 ## 280 09:15 08/08 09:22 14000 ## 281 00:45 09/13 21:00 14000 ## 282 17:15 09/19 18:15 14000 ## 283 03:12 10/24 03:21 14000 ## 284 06:40 10/30 07:40 4000 ## 285 05:55 11/01 07:25 3000 ## 286 15:55 11/03 16:30 14000						
## 280 09:15 08/08 09:22 14000 ## 281 00:45 09/13 21:00 14000 ## 282 17:15 09/19 18:15 14000 ## 283 03:12 10/24 03:21 14000 ## 284 06:40 10/30 07:40 4000 ## 285 05:55 11/01 07:25 3000 ## 286 15:55 11/03 16:30 14000						
## 281 00:45 09/13 21:00 14000 ## 282 17:15 09/19 18:15 14000 ## 283 03:12 10/24 03:21 14000 ## 284 06:40 10/30 07:40 4000 ## 285 05:55 11/01 07:25 3000 ## 286 15:55 11/03 16:30 14000						
## 282 17:15 09/19 18:15 14000 ## 283 03:12 10/24 03:21 14000 ## 284 06:40 10/30 07:40 4000 ## 285 05:55 11/01 07:25 3000 ## 286 15:55 11/03 16:30 14000						
## 283 03:12 10/24 03:21 14000 ## 284 06:40 10/30 07:40 4000 ## 285 05:55 11/01 07:25 3000 ## 286 15:55 11/03 16:30 14000						
## 284 06:40 10/30 07:40 4000 ## 285 05:55 11/01 07:25 3000 ## 286 15:55 11/03 16:30 14000						
## 285 05:55 11/01 07:25 3000 ## 286 15:55 11/03 16:30 14000						
## 286						
## 28/ 03:35 11/03 04:10 2000						
	##	287	03:35	11/03	04:10	2000

	288	01:50	11/06	02:45	6000
	289	16:25	11/08	20:00	14000
	290	17:35	11/09	18:10	14000
##	291	02:25	11/10	03:40	14000
##	292	00:07	12/04	04:30	10000
##	293	20:05	12/08	20:10	14000
##	294	16:35	12/29	17:00	14000
##	295	23:45	12/31	04:20	5000
##	296	00:45	01/01	02:25	14000
##	297	11:20	01/04	11:35	13000
##	298	06:15	01/15	09:30	14000
##	299	23:00	01/15	00:00	3000
##	300	09:25	01/17	16:00	14000
##	301	09:20	01/19	00:00	5300
	302	10:00	01/17	10:35	6100
	303	07:15	01/20	16:30	14000
	304	11:40	02/01	11:50	8000
	305	22:40	03/02	23:00	14000
	306	00:20	03/02	01:10	14000
	307	17:52	05/05	18:03	5000
	308	17:00	05/00	02:10	5000
	309	03:20	05/17	03:35	4500
	310	12:50	06/03	15:00	10000
	311	20:25	06/03 06/16	21:40	9000
	312		07/07		4000
	313	16:30		16:40	14000
	314	22:15	07/09	23:00	
		14:15	07/13	15:05	14000
	315	11:00	07/14	12:54	3000
	316	11:50	07/17	13:45	7000
	317	13:50	07/24	22:30	14000
	318	22:35	07/24	22:40	1000
	319	05:20	07/27	06:45	1000
	320	07:45	07/27	08:30	2500
	321	07:40	07/30	20:00	9000
	322	14:15	08/01	14:50	14000
	323	01:30	08/22	03:35	8000
	324	17:15	08/23	13:00	12000
	325	15:00	08/23	19:30	13000
	326	11:10	08/29	11:14	10000
	327	11:40	08/31	12:10	6000
	328	22:10	08/31	23:00	14000
	329	03:20	09/03	05:15	2000
	330	10:40	09/06	00:00	1500
##	331	18:05	09/08	00:00	12000
##	332	19:45	09/09	22:00	10000
##	333	21:45	09/10	01:00	14000
##	334	13:10	09/11	15:15	3000
##	335	20:20	09/15	06:00	1100
##	336	16:20	05/02	01:00	1000

## 337	08:45	07/06	17:18	14000	
## 338	15:45	08/16	22:15	14000	
## 339	20:40	08/26	21:00	7000	
## 340	17:35	11/05	19:20	14000	
## 341	10:35	11/06	11:05	14000	
## 342	17:45	11/06	19:25	4000	
## 343	10:50	12/05	20:00	14000	
## 344	02:00	12/06	03:30	1000	
## 345	08:30	12/06	09:45	4000	
## 346	19:00	12/08	24:00	16000	
## 347	02:45	12/13	10:40	12000	
## 348	22:30	12/14	23:40	14000	
## 349	06:55	01/25	23:30	14000	
## 350	13:02	05/19	13:05	16000	
## 351	01:05	12/31	01:22	16000	
## 352	19:05	03/25	19:20	12000	
## 353	14:23	04/26	14:39	7600	
## 354	09:20	08/01	17:30	2000	
## 355	18:35	08/07	19:50	14000	
## 356	06:05	08/18	07:45	13000	
## 357	09:15	01/13	10:05	16000	
## 358	12:20	01/27	12:35	16000	
## 359	17:50	02/13	18:00	16000	
## 360	02:10	02/15	07:00	16000	
## 361	12:50	02/24	15:10	1000	
## 362	14:30	03/07	15:00	16000	
## 363	20:00	03/08	08:30	16000	
## 364	21:00	05/10	04:00	16000	
## 365	21:10	05/30	13:40	16000	
## 366	08:00	06/02	08:25	15000	
## 367	07:00	06/04	13:45	16000	
## 368	22:00	06/07	01:30	16000	
## 369	06:45	06/07	18:00	16000	
## 370	06:15	08/02	07:30	16000	
## 371	04:15	08/05	17:00	13000	
## 372	18:10	08/08	20:10	6000	
## 373	08:20	08/09	08:35	16000	
## 374	02:00	09/06	23:40	14000	
## 375	22:30	09/07	15:40	16000	
## 376	11:05	09/22	24:00	14000	
## 377	12:50	09/24	22:45	16000	
## 378	05:30	09/25	06:00	16000	
## 379	13:15	10/21	13:50	16000	
## 380	13:30	11/09	17:00	16000	
## 381	07:15	11/27	24:00	10000	
## 382	03:00	12/21	08:15	16000	
## 383	18:45	12/25	18:55	14000	
## 384	15:00	01/02	15:45	16000	
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## 386	04:00	01/24	15:00	16000
## 387	18:30	01/28	04:45	16000
## 388	04:00	03/05	12:20	16000
## 389	01:00	03/08	19:00	16000
## 390	04:10	03/09	06:05	14000
## 391	17:55	03/11	12:30	14000
## 392	17:35	03/13	24:00	16000
## 393	00:20	03/18	01:20	16000
## 394	00:40	03/24	10:40	16000
## 395	23:15	03/26	23:55	16000
## 396	21:45	03/27	22:30	4000
## 397	12:20	04/09	13:00	16000
## 398	02:30	04/15	02:50	16000
## 399	01:40	05/17	06:20	16000
## 400	17:00	07/04	17:20	14000
## 401	22:40	07/05	23:50	3000
## 402	23:10	07/07	03:40	16000
## 403	16:35	07/08	22:00	16000
## 404	16:45	07/13	09:00	14000
## 405	14:40	07/18	05:00	12000
## 406	05:30	07/19	06:20	5000
## 407	02:30	07/23	21:40	16000
## 408	20:00	08/31	23:45	16000
## 409	23:55	09/28	10:15	16000
## 410	01:50	10/22	11:15	1000
## 411	22:00	01/17	01:30	1000
## 412	07:00	03/15	21:30	14000
## 413	07:10	04/11	15:00	10000
## 414	18:00	04/18	19:10	16000
## 415	20:25	04/21	22:12	14000
## 416	02:20	05/13	03:00	16000
## 417	16:15	05/13	19:10	16000
## 418	01:16	05/14	02:35	16000
## 419	01:49	05/15	07:30	16000
## 420	13:10	05/24	06:00	16000
## 421	03:35	06/21	05:15	14000
## 422	01:53	06/28	03:26	14000
## 423	20:57	07/04	21:27	11000
## 424	02:01	08/06	02:11	14000
## 425	20:25	08/18	03:05	1800
## 426	02:34	08/31	04:00	14000
## 427	22:29	09/06	22:34	5000
## 428	21:53	09/30	21:00	14000
## 429	20:46	10/02	21:10	10000
## 430	07:00	10/05	14:46	16000
## 431	07:23	10/11	11:43	14000
## 432	18:47	10/14	05:15	2100
## 433	21:33	10/22	22:08	14000
## 434	15:08	10/25	22:32	16000
(,		

## 435	03:01	10/26	04:00	14000
## 436	09:34	10/26	10:10	14000
## 437	18:12	10/27	18:36	14000
## 438	04:41	10/28	11:51	14000
## 439	15:24	10/28	15:29	14000
## 440	05:10	11/04	08:00	16000
## 441	10:26	11/07	20:40	16000
## 442	10:39	11/19	20:20	14000
## 443	22:18	11/30	09:20	1800
## 444	12:45	12/05	13:00	4200
## 445	20:48	12/05	21:35	14000
## 446	07:43	12/07	08:36	14000
## 447	03:55	12/12	21:30	12000
## 448	08:23	12/20	13:24	1500
## 449	17:31	12/28	18:05	16000
## 450	17:41	01/04	18:47	9000
## 451	19:03	01/05	09:00	6500
## 452	07:57	01/06	22:30	14000
## 453	18:33	01/08	21:00	14000
## 454	22:24	01/20	22:36	14000
## 455	02:16	02/18	02:51	2000
## 456	08:05	02/20	08:29	12000
## 457	00:56	02/25	11:28	14000
## 458	18:24	03/04	20:10	16000
## 459	13:33	03/05	17:10	16000
## 460	07:52	03/25	11:30	1700
## 461	00:12	03/29	00:48	14000
## 462	17:59	03/30	09:58	14000
## 463	13:42	04/03	08:10	14000
## 464	18:49	04/03	06:40	2400
## 465	14:02	04/04	14:07	14000
## 466	13:05	04/18	22:50	14000
## 467	16:24	05/07	23:18	16000
## 468	03:21	05/08	05:26	16000
## 469	02:40	05/09	04:30	14000
## 470	04:32	05/10	08:37	16000
## 471	12:58	06/10	15:00	16000
## 472	22:14	06/12	22:35	14000
## 473	07:44	07/30	08:00	6300
## 474	18:58	08/02	05:00	1000
## 475	10:37	08/22	11:18	14000
## 476	15:20	08/25	16:02	14000
## 477	20:43	08/25	21:00	14000
## 478	17:05	08/28	22:08	16000
## 479	11:12	09/01	22:35	16000
## 480	00:05	09/09	13:00	11000
## 481	17:45	09/03	12:00	14000
## 482	05:10	09/11 09/20	05:30	14000
## 483	06:13	09/20 09/22	05:30 06:50	16000
mm	00.13	05/22	00.50	10000

	484		23:41			09/23	23:47	14000
	485		20:54			09/24	23:48	16000
	486		21:34			10/02	21:56	3300
	487		18:11			10/10	18:33	2500
##	488		12:33			10/21	13:01	14000
##	489		16:57			11/08	17:18	14000
##	490		14:27			12/13	14:51	14000
##	491		04:09			12/17	04:19	2900
##	492		05:00			12/17	05:09	14000
##	493		22:31			12/18	22:54	5100
##	494		12:05			12/21	12:28	14000
##	495		02:33			03/03	02:37	8100
##	496		08:00			03/06	11:30	4700
##	497		00:10			03/10	00:27	14000
‡#	498		10:30			03/11	14:50	1000
##	499		09:00			03/06	11:47	14000
##	500		03:21			04/26	03:33	8000
##	501		22:24			05/05	23:14	14000
##	502		03:00			05/12	03:04	14000
	503		20:23			06/09	22:35	2300
	504		05:26			06/14	05:41	3000
	505		17:42			06/18	19:40	3700
	506		02:33			06/21	21:20	5500
	507		18:20			06/22	21:55	14000
	508		08:35			06/25	16:30	14000
	509		16:08			07/01	20:47	1000
	510		07:07			08/22	07:18	14000
	511		04:54			09/18	09:52	14000
	512		18:23			09/21	01:46	14000
	513		14:07			11/04	15:14	14000
	514		13:21			11/09	13:27	14000
	515		08:45			12/16	08:57	5300
	516		01:18			12/23		12000
	517		11:50			12/28	21:45	14000
	518		00:55			01/02	03:08	1100
	519		20:28			02/05	23:31	1650
	520		22:35			02/05	22:55	5200
	521		14:20			05/04	14:34	14000
	522		17:00			05/24		1500
	523		18:21			08/15	18:28	11000
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##		end frea	Location	ΝΩΔΔ	Importance		CME_time	
+#		<na></na>		<na></na>	<na></na>		<na></na>	
##		II		observed			spacecraft,	\IMA/
## ##		0ct	2006	the			end	times
## ##		using			and		ena	<na></na>
		_	<na></na>		<na></na>		ZNIA S	
## ##		<na></na>		<na></na>		<na></na>		
##	ь	<na></na>	<na></na>	<na></na>	<na></na>	<na></na>	<na></na>	<na></na>

##	7	ZNIAS	∠NI Λ \	ZNA 5	ZNIA 5	∠N/∧ \	∠NIA \	ZNIA 5
##		<na> CME</na>	<na></na>	<na> <na></na></na>	<na></na>	<na> <na></na></na>	<na> <na></na></na>	<na></na>
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	11	(6)	(7)	(8)	(9)	(10)	(11)	(12)
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##	14	1000	S28E19	8027	C6.8	04/07	14:27	<na></na>
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##	17	2000	S29E25	8088	C1.4	09/23	22:02	133
##	18	250	S20W13	8100	C8.6	11/03	05:28	240
##	19	5000	S16W21	8100	M4.2	11/03	11:11	233
##	20	100	S14W33	8100	X2.1	11/04	06:10	<na></na>
##	21	100	S18W63	8100	X9.4	11/06	12:10	<na></na>
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	23	8000	N25W52	8116	B9.4	12/13	00:26	278
	24	10000	N21E25	8141	C1.1	01/25	15:26	<na></na>
	25	7000	SW90	<na></na>	<na></na>	03/29	03:48	<na></na>
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	27	200	S17E90	8210	X1.2	04/23	05:55	<na></na>
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	31	3000	S15W15	8210	X1.1	05/02	14:06	<na></na>
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	33	400	S14W89	8210	M7.7	05/09	03:35	262
	34	1000	N32W90	8214	B6.6	05/11	21:55	208
##	35	3000	N29W46	8222	B7.9			268
##	36	1000	N19W62	8226	C7.5		13:45	175
##	37	4000	N16E86	8243	M1.4	06/11	10:28	123
##	38	50	S22W90	8232	M1.0	06/16	18:27	341
##	39	1800	Back	<na></na>	<na></na>	06/20	18:20	<na></na>
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##	41	4000	S25E47	8373	C4.4	11/02	14:18	116
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##	44	6000	NE90b	<na></na>	C1.0	11/07		296
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	46	5000	N19E64	8415	M8.0	12/18	18:09	<na></na>
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	51		N17W69			06/04	07:26 11:26	
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	53	2000	N22E37	8592	M1.7	06/22	18:54	<na></na>
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##	55	2000	N23E42	8596	M1.7	06/23	07:31	<na></na>

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##	59	12000	S26W14	8674	X1.1	08/28	18:26	120
##	60	1000	S36W24	8679	C2.1	09/03	00:06	184
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##	62	4000	N11E32	8731	X1.8	10/14	09:26	<na></na>
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##	64	4000	N17E38	8766	M3.8	11/16	03:06	81
##		7000	N08W39	8759	M1.8	11/16	05:30	285
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##		6000	S20W58	8882	M6.5	03/02	13:54	235
##	75	4500	S22E77	8906	M1.2	03/07	16:30	120
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##	77	9000	N16W66	8933	C9.7	04/04	16:32	<na></na>
##	78	1000	S14W01	8948	M3.1	04/10	00:30	<na></na>
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##	80	1000	S17W87	8970	M6.8	05/04	11:26	235
##	81	2500	S17W87	8970	M1.5	05/05	15:50	<na></na>
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##		40	N20E18	9026	X2.3	06/06	15:54	<na></na>
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##		1000 2500			M1.8		17:08 20:06	<na></na>
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	89	1000	N22W72	9041	M3.5	06/17	03:28	298
##		1900	N42E60	<na></na>	<na></na>	06/18	21:30	8
##		2000	N26W72	9042	M3.0	06/23	14:54	282
##		2500	N16W55	9046	M1.9	06/25	07:54	262
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##	94	1000	N18E27	9077	X1.0	07/11	13:27	<na></na>
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##	96	80	N22W07	9077	X5.7	07/14	10:54	<na></na>
##	97	2000	N14W56	9085	M3.7	07/22	11:54	259
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	103	1000	N09W18	9169	M1.8	09/25	02:50	<na></na>
	104	1250	N25W90	9177	<na></na>	10/05		323
##	104	1230	いとういうじ	31//	(NA)	במ/מז	10.20	323

	105	1000	N03W90	9182	M2.5	10/16	07:27	<na></na>	
	106	300	N09W63	9199	C4.0	10/25	08:26	<na></na>	
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##	109	40	S11E10	9221	M1.0	<na></na>	<na></na>	<na></na>	
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##	113	100	N20W05	9236	X2.0	11/24	05:30	<na></na>	
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	118	4000	N20W23	9236	<na></na>	11/25	21:30	345	
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	122	500	S07E46	9313	M7.7	01/20	21:30	<na></na>	
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##	124	200	S04W59	9313	M1.5	01/28	15:54	<na></na>	
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##	127	1500	BACK	<na></na>	<na></na>	03/12	05:50	233	
##	128	1000	N14E17	9393	C7.3	03/27	02:06	154	
##	129	1500	N15E14	9393	C5.6	03/27	17:06	46	
	130	60	N20W19	9393	X1.7	03/29	10:26	<na></na>	
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	132	250	N19W72	9393	X20.	04/02	22:06	261	
	133	400	S21E83	9415	X1.2	04/02	03:26	108	
	134	3000	S21E68	9415	M1.6	04/04		86	
							09:50		
	135	7500	N14W85	9393	M8.4	04/05	09:06	283	
	136	230	S21E31	9415	X5.6		19:30	<na></na>	
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##	142	100	SW90b	<na></na>	C2.2	04/18	02:30	<na></na>	
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##	145	1000	S17E00	9455	M3.0	05/13	02:21	190	
##	146	1000	E90b	9481	<na></na>	05/30	00:06	70	
	147	3000	S26E41	9502	M6.3	06/15	10:31	185	
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					M3.0				
	151	10000	N15E44	9601		08/30		82 137	
	152	7500	S23E90	9607	M2.5		18:35	127	
##	153	6000	S21W49	9608	M1.5	09/15	11:54	263	

## 155									
## 156			2000		9616	C8.9	09/16		131
## 157	##	155		S14E04		M1.5	=		198
## 158	##	156	10000	N09W11	9631	M1.5	09/20	19:31	306
## 159	##	157	30	S16E23	9632	X2.6	09/24	10:30	<na></na>
## 160	##	158	80	S15W40	EP	C9.5	09/27	08:06	224
## 161	##	159	150	S24W81	9628	M9.1	10/01	05:30	<na></na>
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## 162									
## 163 50 BACK									
## 164									
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## 168									
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## 172	##	170	1000	S25W67	9698	M3.8	11/22	20:30	<na></na>
## 173	##	171	40	S17W36	9704	M9.9	11/22	23:30	<na></na>
## 174	##	172	750	SW90b	<na></na>	<na></na>	12/11	09:54	263
## 175	##	173	1000	SE90b	<na></na>	<na></na>	12/25	11:30	<na></na>
## 176	##	174	150	N08W54	9742	M7.1	12/26	05:30	281
## 176									<na></na>
## 177 90 NE90b									297
## 178									
## 179									
## 180									
## 181									
## 182 8000 \$11E90 9866 M2.3 03/10 23:06									
## 183									
## 184 6000 \$08W03 9866 M2.2 03/15 23:06 <na> ## 185 1000 \$20E24 9871 C3.1 03/17 04:06 141 ## 186 1000 \$15W22 9873 M1.0 03/18 02:54 <na> ## 187 500 \$09W90 9866 M1.6 03/22 11:06 <na> ## 188 2000 \$00W90 9866 M1.6 03/22 12:30 243 ## 189 12000 N15W14 9893 M8.2 04/10 13:27 340 ## 190 8000 N19W57 9893 C9.6 04/14 07:50 323 ## 191 1500 \$15W01 9906 M1.2 04/15 03:50 <na> ## 192 40 \$14W34 9906 M2.6 04/17 08:26 <na> ## 193 60 \$14W84 9906 X1.5 04/21 01:27 <na> ## 194 2500 \$16E77 9934 C3.2 04/30 14:26 92 ## 195 500 W90b <na> <na> 04/30 23:26 254 ## 196 900 E90b 9937 <na> 05/02 23:18 119 ## 197 2000 \$22E01 9948 C4.5 05/16 00:50 <na> ## 198 8000 \$25W64 9948 C9.7 05/22 00:06 230 ## 199 5000 N18E18 9967 C3.7 05/27 13:27 49 ## 200 200 \$19W90 10017 M1.0 07/07 11:30 277 ## 201 650 W90b <na> <na> 07/09 19:31 <na></na></na></na></na></na></na></na></na></na></na></na></na></na>									
## 185									
## 186							=		
## 187 500 \$09W90 9866 M1.6 03/22 11:06 <na> ## 188 2000 \$00W90 9866 M1.6 03/22 12:30 243 ## 189 12000 N15W14 9893 M8.2 04/10 13:27 340 ## 190 8000 N19W57 9893 C9.6 04/14 07:50 323 ## 191 1500 \$15W01 9906 M1.2 04/15 03:50 <na> ## 192 40 \$14W34 9906 M2.6 04/17 08:26 <na> ## 193 60 \$14W84 9906 X1.5 04/21 01:27 <na> ## 194 2500 \$16E77 9934 C3.2 04/30 14:26 92 ## 195 500 W90b <na> <na> 04/30 23:26 254 ## 196 900 E90b 9937 <na> 05/02 23:18 119 ## 197 2000 \$22E01 9948 C4.5 05/16 00:50 <na> ## 198 8000 \$25W64 9948 C9.7 05/22 00:06 230 ## 199 5000 N18E18 9967 C3.7 05/27 13:27 49 ## 200 200 \$19W90 10017 M1.0 07/07 11:30 277 ## 201 650 W90b <na> <na> 07/09 19:31 <na></na></na></na></na></na></na></na></na></na></na></na>	##	185	1000						141
## 188 2000 \$00W90 9866 M1.6 03/22 12:30 243 ## 189 12000 N15W14 9893 M8.2 04/10 13:27 340 ## 190 8000 N19W57 9893 C9.6 04/14 07:50 323 ## 191 1500 \$15W01 9906 M1.2 04/15 03:50 <na> ## 192 40 \$14W34 9906 M2.6 04/17 08:26 <na> ## 193 60 \$14W84 9906 X1.5 04/21 01:27 <na> ## 194 2500 \$16E77 9934 C3.2 04/30 14:26 92 ## 195 500 W90b <na> <na> 04/30 23:26 254 ## 196 900 E90b 9937 <na> 05/02 23:18 119 ## 197 2000 \$22E01 9948 C4.5 05/16 00:50 <na> ## 198 8000 \$25W64 9948 C9.7 05/22 00:06 230 ## 199 5000 N18E18 9967 C3.7 05/27 13:27 49 ## 200 200 \$19W90 10017 M1.0 07/07 11:30 277 ## 201 650 W90b <na> <na> 07/09 19:31 <na></na></na></na></na></na></na></na></na></na></na>	##	186	1000	S15W22	9873	M1.0	03/18	02:54	<na></na>
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## 190 8000 N19W57 9893 C9.6 04/14 07:50 323 ## 191 1500 S15W01 9906 M1.2 04/15 03:50 <na> ## 192 40 S14W34 9906 M2.6 04/17 08:26 <na> ## 193 60 S14W84 9906 X1.5 04/21 01:27 <na> ## 194 2500 S16E77 9934 C3.2 04/30 14:26 92 ## 195 500 W90b <na> <na> 04/30 23:26 254 ## 196 900 E90b 9937 <na> 05/02 23:18 119 ## 197 2000 S22E01 9948 C4.5 05/16 00:50 <na> ## 198 8000 S25W64 9948 C9.7 05/22 00:06 230 ## 199 5000 N18E18 9967 C3.7 05/27 13:27 49 ## 200 200 S19W90 10017 M1.0 07/07 11:30 277 ## 201 650 W90b <na> <na> 07/09 19:31 <na></na></na></na></na></na></na></na></na></na></na>	##	188	2000	S00W90	9866	M1.6	03/22	12:30	243
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## 191	##	190	8000	N19W57	9893	C9.6	04/14	07:50	323
## 192 40 \$14W34 9906 M2.6 04/17 08:26 <na> ## 193 60 \$14W84 9906 X1.5 04/21 01:27 <na> ## 194 2500 \$16E77 9934 C3.2 04/30 14:26 92 ## 195 500 W90b <na> <na> 04/30 23:26 254 ## 196 900 E90b 9937 <na> 05/02 23:18 119 ## 197 2000 \$22E01 9948 C4.5 05/16 00:50 <na> ## 198 8000 \$25W64 9948 C9.7 05/22 00:06 230 ## 199 5000 N18E18 9967 C3.7 05/27 13:27 49 ## 200 200 \$19W90 10017 M1.0 07/07 11:30 277 ## 201 650 W90b <na> <na> 07/09 19:31 <na></na></na></na></na></na></na></na></na></na>	##	191	1500	S15W01	9906	M1.2	04/15	03:50	<na></na>
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	211	2000	S16W76	10039	X1.0	08/03	19:31	259
	212	30	N09W54	10061	M2.3	08/14		297
	213	300	N07W83	10061	M2.4	08/16	06:06	293
	214	60	S14E20	10069	M5.2	08/16	12:30	<na></na>
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	218	8000	N13E45	10134	M1.8	09/27		64
	219	4000	S07W54	10150	C4.7	10/13	19:35	252
	220	500	S13E75	10159	M2.2	10/13	23:54	107
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	229	6000	N34W26	FILA	C1.7	01/20	18:30	315
	230	8000	S17W23	FILA	C2.4	01/27	22:23	205
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	234	700	NE90b	<na></na>				87
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	246	1500	N02W38	10484	X1.2	10/26		270
	247	40	S16E08	10484	X1.2 X17.	10/28		<na></na>
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## 279	##	277	28	N08W33	10652	M1.1	07/25	14:54	<na></na>
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## 283			2500						
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	38	281	1484	PHTX	No	NA
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	168	360	1810	PHTX	Yes
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	181	108	358	PHTX	No
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	185	56	658	PHTX	No
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## 301 360 2020 PHTX Yes NA ## 302 360 2547 PHTX Yes NA ## 303 360 882 PHTX Yes NA ## 304 360 1380 PHTX Yes NA ## 305 148 955 PHTX NO NA ## 306 >66 978 PHTX NO NA ## 307 360 1128 PHTX Yes NA ## 308 360 1689 PHTX Yes NA ## 309 89 311 PHTX NO NA ## 310 360 1679 PHTX Yes NA ## 311 <na> PHTX NO NA ## 311 <na> PHTX NO NA ## 312 360 683 PHTX Yes NA</na></na>								
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## 304 360 1380 PHTX Yes NA ## 305 148 955 PHTX NO NA ## 306 >66 978 PHTX NO NA ## 307 360 1128 PHTX Yes NA ## 308 360 1689 PHTX Yes NA ## 309 89 311 PHTX NO NA ## 310 360 1679 PHTX Yes NA ## 311 <na> PHTX NO NA ## 311 312 360 683 PHTX Yes NA</na>								
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NASA$CME_width[grep1(">", NASA$CME_width)] <- NASA$CME_width
```

```
## Warning in NASA$CME_width[grepl(">", NASA$CME_width)] <- NASA$CME_width:
## number of items to replace is not a multiple of replacement length</pre>
```

```
NASA <- tail(NASA, 513) %>%
head(511)
NASA
```

									_
##		start_date	start_time	end_date	end_time	start_freq	end_freq	Location	
##	13	1997/04/01	14:00	04/01	14:15	8000	4000	S25E16	
##	14	1997/04/07	14:30	04/07	17:30	11000	1000	S28E19	
##	15	1997/05/12	05:15	05/14	16:00	12000	80	N21W08	
##	16	1997/05/21	20:20	05/21	22:00	5000	500	N05W12	
##	17	1997/09/23	21:53	09/23	22:16	6000	2000	S29E25	
##	18	1997/11/03	05:15	11/03	12:00	14000	250	S20W13	
##	19	1997/11/03	10:30	11/03	11:30	14000	5000	S16W21	
##	20	1997/11/04	06:00	11/05	04:30	14000	100	S14W33	
##	21	1997/11/06	12:20	11/07	08:30	14000	100	S18W63	
##	22	1997/11/27	13:30	11/27	14:00	14000	7000	N17E63	
##	23	1997/12/12	22:45	12/12	23:20	14000	8000	N25W52	
##	24	1998/01/25	15:03	01/25	15:18	14000	10000	N21E25	
##	25	1998/03/29	03:40	03/29	03:52	14000	7000	SW90	
##	26	1998/04/20	10:25	04/22	06:00	10000	35	S22W90	
##	27	1998/04/23	06:00	04/23	15:30	14000	200	S17E90	
##	28	1998/04/24	09:17	04/24	09:25	4700	2600	S10E90	
##	29	1998/04/27	09:20	04/27	10:00	10000	1000	S16E50	
##	30	1998/04/29	16:30	04/29	17:00	10000	2000	S18E20	
##	31	1998/05/02	14:25	05/02	14:50	5000	3000	S15W15	
##	32	1998/05/06	08:25	05/06	08:35	14000	5000	S11W65	
##	33	1998/05/09	03:35	05/09	10:00	9000	400	S14W89	
##	34	1998/05/11	21:40	05/11	22:00	10000	1000	N32W90	
##	35	1998/05/19	10:00	05/19	11:30	14000	3000	N29W46	
##	36	1998/05/27	13:30	05/27	14:20	4000	1000	N19W62	
##	37	1998/06/11	10:15	06/11	10:20	8000	4000	N16E86	
##	38	1998/06/16	18:20	06/17	21:00	12000	50	S22W90	
##	39	1998/06/20	19:39	06/20	20:00	2600	1800	Back	
##	40	1998/06/22	07:15	06/22	09:20	6000	2000	N16W46	
##	41	1998/11/02	14:00	11/02	14:40	14000	4000	S25E47	
##	42	1998/11/05	22:00	11/07	08:00	5000	50	N22W18	
##	43	1998/11/06	03:00	11/06	05:30	5000	1000	BACK	
##	44	1998/11/07	00:20	11/07	00:50	14000	6000	NE90b	
##	45	1998/11/08	11:20	11/08	11:30	10000	8000	S21W37	
##	46	1998/12/18	17:50	12/18	18:15	14000	5000	N19E64	
##	47	1999/04/24	13:50	04/24	00:00	3700	1500	NW90b	
##	48	1999/05/03	05:50	05/03	08:45	8000	200	N15E32	
##	49	1999/05/27	10:55	05/28	10:00	14000	70	W90b	
##	50	1999/06/01	18:50	06/02	09:00	14000	400	NW90b	
##	51	1999/06/04	07:05	06/05	01:00	14000	60	N17W69	
##	52	1999/06/11	11:45	06/11	17:00	14000	400	N38E90	
	53	1999/06/22		06/22	18:40	3000	2000	N22E37	
	54	1999/06/23		06/23	07:10	12000	2000	BACK	
##		1999/06/23		06/23	07:14	14000	2000	N23E42	
	56	1999/06/28		06/28	21:10	3500	1500	N22W44	
	57	1999/06/29		06/29	19:55	14000	2000	S14E01	
	58	1999/07/05		07/05	04:05	2000	1000	SW90b	
##	59	1999/08/28	18:25	08/28	18:33	16000	12000	S26W14	
()									

##	60	1999/09/03	03:00	09/03	04:10	2000	1000	S36W24
##	61	1999/09/10	07:30	09/10	07:35	5500	2000	NW90b
##	62	1999/10/14	09:10	10/14	10:00	14000	4000	N11E32
##	63	1999/10/17	23:27	10/17	23:33	11500	10000	N03E38
##	64	1999/11/16	03:27	11/16	03:48	7000	4000	N17E38
##	65	1999/11/16	05:17	11/16	05:34	14000	7000	N08W39
##	66	2000/01/18	17:31	01/18	22:00	14000	500	S19E11
##	67	2000/01/28	20:20	01/28	20:24	2200	1100	S31W17
##	68	2000/02/05	19:34	02/05	19:34	5800	2900	N26E52
	69	2000/02/08	09:05	02/11	02:20	12000	20	N25E26
	70	2000/02/10	01:55	02/10	02:00	14000	8000	N31E04
	71	2000/02/12	03:55	02/12	09:20	4000	400	N26W23
	72	2000/02/17	20:42	02/18	22:12	14000	100	S29E07
	73	2000/02/17	09:44	02/18	09:54	2000	1200	NW90b
	74	2000/02/10	13:50	03/02	14:03	14000	6000	S20W58
	7 4 75	2000/03/02	16:24	03/02	16:48	14000	4500	S22E77
	76 77	2000/03/27	06:56	03/27	06:58	14000	10000	S00E90
	77	2000/04/04	15:45	04/04	16:00	14000	9000	N16W66
	78	2000/04/09	23:15	04/09	23:45	4500	1000	S14W01
	79	2000/04/18	15:00	04/18	16:00	14000	6000	S50W30
	80	2000/05/04	11:10	05/04	13:00	6500	1000	S17W87
	81	2000/05/05	16:35	05/05	17:30	14000	2500	S17W87
	82	2000/05/07	21:15	05/07	24:00	14000	500	W90b
	83	2000/05/12	23:34	05/12	23:42	14000	7000	E90b
##	84	2000/05/15	16:47	05/16	14:00	4800	40	S24W67
##	85	2000/06/02	22:00	06/02	22:15	14000	8000	N16E60
##	86	2000/06/06	15:20	06/08	09:00	14000	40	N20E18
##	87	2000/06/10	17:15	06/10	18:45	10000	1000	N22W38
##	88	2000/06/15	19:52	06/15	19:56	5000	2500	N20W65
##	89	2000/06/17	03:00	06/17	04:15	14000	1000	N22W72
##	90	2000/06/19	01:19	06/19	01:22	3800	1900	N42E60
##	91	2000/06/23	14:40	06/22	15:05	14000	2000	N26W72
##	92	2000/06/25	08:10	06/25	09:00	12000	2500	N16W55
##	93	2000/07/10	22:00	07/10	23:30	14000	1000	N18E49
##	94	2000/07/11	13:00	07/11	13:30	12000	1000	N18E27
##	95	2000/07/12	20:05	07/12	20:35	6000	1000	N19W61
	96	2000/07/14	10:30	07/15	14:30	14000	80	N22W07
	97	2000/07/22	11:45	07/22	12:45	14000	2000	N14W56
	98	2000/08/11	11:35	08/11	11:59	2800	2000	NW90b
	99	2000/09/12	12:00	09/13	12:20	14000	60	S19W06
		2000/09/12	18:15	09/12	19:00	2000	1000	NE90b
		2000/09/16	04:30	09/16	10:30	14000	400	N14W07
		2000/09/19	08:45	09/19	10:20	12000	1500	N14W46
		2000/09/15	02:20	09/25	03:00	14000	1000	N09W18
		2000/03/23	22:10	10/05	22:35	5000	1250	N25W90
		2000/10/03	07:10	10/03	08:00	14000	1000	NØ3W9Ø
		2000/10/16	07.10 09:30	10/15	24:00	10000	300	N09W63
		2000/10/23	18:35	10/23	18:45	4000	2500	N02W02
		2000/11/03						
##	TAQ	2000/11/08	23:20	11/09	12:00	4000	200	N10W77

#:	# 109	2000/11/09	16:15	11/11	04:00	10000	40	S11E10
#:	# 110	2000/11/12	14:25	11/12	14:40	3000	2000	S14E05
#:	# 111	2000/11/23	08:16	11/23	08:35	14000	9000	S26W40
#:	# 112	2000/11/23	21:00	11/23	21:06	3500	3000	S20E60
#:	# 113	2000/11/24	05:10	11/24	15:00	14000	100	N20W05
#:	# 114	2000/11/24	15:25	11/24	22:00	14000	200	N22W07
#:	# 115	2000/11/24	22:24	11/24	22:36	4000	3000	N21W14
#	# 116	2000/11/25	01:25	11/25	02:25	14000	3000	N07E50
#:	# 117	2000/11/25	19:00	11/25	19:35	6000	2000	N20W23
		2000/11/25	19:55	11/25	20:25	13000	4000	N20W27
		2000/11/26	17:00	11/26	17:15	14000	7000	N18W38
		2000/12/28	12:40	12/28	13:38	14000	1900	Back
		2001/01/20	19:12	01/20	19:16	14000	6000	S07E40
		2001/01/20	21:30	01/20	24:00	14000	500	S07E46
		2001/01/26	12:06	01/26	14:20	14000	400	S23W57
		2001/01/28	15:45	01/28	17:00	14000	200	S04W59
		2001/01/28	01:40	01/28	01:55	12000	5500	N24W57
		2001/02/11						
			04:18	03/10	04:32	14000	4000	N27W42
		2001/03/12	05:35	03/12	05:45	3000	1500	BACK
		2001/03/27	02:35	03/27	03:15	6000	1000	N14E17
		2001/03/27	15:00	03/27	15:20	4000	1500	N15E14
		2001/03/29	10:12	03/30	06:00	4000	60	N20W19
		2001/04/02	11:30	04/02	12:00	14000	5000	N20W70
		2001/04/02	22:05	04/03	02:30	14000	250	N19W72
		2001/04/03	03:40	04/03	07:25	14000	400	S21E83
		2001/04/04	09:50	04/04	10:10	13000	3000	S21E68
		2001/04/05	00:00	04/05	00:00	14000	7500	N14W85
		2001/04/06	19:35	04/07	01:50	14000	230	S21E31
		2001/04/09	15:53	04/10	01:00	12000	100	S21W04
#:	# 138	2001/04/10	05:24	04/10	24:00	14000	100	S23W09
#	# 139	2001/04/11	13:15	04/11	14:15	14000	1500	S22W27
#:	# 140	2001/04/12	10:20	04/12	10:40	14000	7000	S19W43
#:	# 141	2001/04/15	14:05	04/16	13:00	14000	40	S20W85
#	# 142	2001/04/18	02:55	04/18	14:00	1000	100	SW90b
#	# 143	2001/04/26	12:40	04/28	05:00	5000	20	N20W05
#	# 144	2001/05/07	12:00	05/07	13:50	2000	280	NW90b
#:	# 145	2001/05/12	23:52	05/13	00:12	3000	1000	S17E00
#:	# 146	2001/05/30	00:25	05/30	01:38	14000	1000	E90b
#	# 147	2001/06/15	10:50	06/15	11:15	7000	3000	S26E41
#	# 148	2001/06/15	16:05	06/15	16:20	14000	3500	W90b
#:	# 149	2001/08/16	00:10	08/15	08:40	5400	200	Back
#:	# 150	2001/08/25	16:50	08/25	23:00	8000	170	S17E34
		2001/08/30	20:43	08/30	20:47	12000	10000	N15E44
		2001/09/03	18:48	09/03	19:00	12000	7500	S23E90
		2001/09/15	11:50	09/15	12:05	14000	6000	S21W49
		2001/09/16	13:50	09/16	14:10	3000	2000	S13E15
		2001/09/17	08:35	09/17	08:47	14000	5400	S14E04
		2001/09/20	18:43	09/20	18:57	14000	10000	N09W11
		2001/09/24	10:45	09/25	20:00	7000	30	S16E23
11	/	2001/05/24	10.75	05/25	20.00	,000	50	J±0L2J

	2001/09/27	08:15	09/28	07:00	4000	80	S15W40
	2001/10/01	07:00	10/01	18:30	1000	150	S24W81
	2001/10/05	11:35	10/05	12:55	1400	500	SW90b
## 161	2001/10/09	11:15	10/09	16:00	8000	200	S28E08
## 162	2001/10/09	11:20	10/09	11:55	14000	2000	S28E08
## 163	2001/10/09	13:10	10/09	23:00	5000	50	BACK
# 164	2001/10/19	01:15	10/19	02:25	14000	1300	N16W18
## 165	2001/10/19	16:45	10/21	16:40	14000	30	N15W29
## 166	2001/10/22	15:15	10/22	17:40	8000	1200	S21E18
## 167	2001/10/25	15:30	10/27	23:00	14000	30	S16W21
## 168	2001/11/04	16:30	11/06	11:00	14000	70	N06W18
# 169	2001/11/17	05:35	11/17	06:40	11000	1700	S13E42
# 170	2001/11/22	20:50	11/22	22:23	8000	1000	S25W67
	2001/11/22	22:40	11/24	02:30	14000	40	S17W36
	2001/12/11	12:45	12/11	17:00	4500	750	SW90b
	2001/12/25	11:25	12/25	12:40	14000	1000	SE90b
	2001/12/25	05:20	12/27	05:00	14000	150	NØ8W54
	2001/12/28	20:35	12/27	03:00	14000	350	S26E90
	2001/12/28		12/29		3000		BACK
	2001/12/29	20:45	01/09	21:05 24:00	14000	1500	NE90b
		18:30				90	
	2002/01/14	06:25	01/14	21:30	12000	100	S28W83
	2002/01/27	12:49	01/27	13:25	14000	3000	Back?
	2002/02/01	19:23	02/01	19:31	14000	11000	BACK
	2002/02/21	12:35	02/21	12:50	4000	1500	N16W79
	2002/03/11	00:00	03/11	00:15	14000	8000	S11E90
	2002/03/12	00:00	03/12	02:20	14000	2200	S15E45
	2002/03/15	22:45	03/15	23:30	14000	6000	S08W03
# 185	2002/03/17	06:00	03/17	06:35	3000	1000	S20E24
# 186	2002/03/18	02:55	03/18	05:35	14000	1000	S15W22
# 187	2002/03/22	11:30	03/22	12:40	14000	500	S09W90
## 188	2002/03/22	13:10	03/22	13:35	3000	2000	S00W90
## 189	2002/04/10	12:59	04/10	13:02	13000	12000	N15W14
# 190	2002/04/14	07:50	04/14	08:10	14000	8000	N19W57
## 191	2002/04/15	03:35	04/15	04:15	11000	1500	S15W01
## 192	2002/04/17	08:30	04/19	04:00	5000	40	S14W34
# 193	2002/04/21	01:30	04/21	24:00	10000	60	S14W84
# 194	2002/04/30	14:15	04/30	14:23	4000	2500	S16E77
## 195	2002/04/30	22:30	04/30	23:20	2000	500	W90b
# 196	2002/05/02	23:50	05/03	00:10	2800	900	E90b
	2002/05/16	01:50	05/16	03:30	9000	2000	S22E01
	2002/05/22	00:00	05/22	00:30	14000	8000	S25W64
	2002/05/27	12:50	05/27	13:50	14000	5000	N18E18
	2002/07/07	11:35	07/07	20:00	14000	200	S19W90
	2002/07/09	19:46	07/09	20:40	1000	650	W90b
	2002/07/05	21:15	07/16	05:00	5000	175	N19W01
	2002/07/17	07:30	07/17	07:45	3500	2000	N21W17
	2002/07/17	07:55	07/17	07.45 08:45	14000	1500	N19W30
	2002/07/18	20:55	07/18	21:40	6000	3000	E90b
	2002/07/18						
## 200	2002/0//19	16:40	07/19	17:10	5000	1000	S15E90

		2002/07/20	21:30	07/20	22:20	10000	2000	SE90b
##	208	2002/07/23	00:50	07/23	04:00	11000	400	S13E72
##	209	2002/07/26	22:27	07/26	23:30	14000	2000	S19E26
##	210	2002/07/29	12:10	07/29	12:45	4200	1300	N10W15
##	211	2002/08/03	19:20	08/03	20:30	14000	2000	S16W76
##	212	2002/08/14	02:20	08/14	24:00	1000	30	N09W54
##	213	2002/08/16	06:15	08/16	09:30	14000	300	N07W83
##	214	2002/08/16	12:20	08/17	21:00	14000	60	S14E20
##	215	2002/08/24	01:45	08/24	03:25	5000	400	S02W81
##	216	2002/09/05	16:55	09/07	16:22	14000	30	N09E28
		2002/09/10	15:19	09/10	16:00	14000	8500	S10E43
		2002/09/27	13:35	09/27	14:30	14000	8000	N13E45
		2002/10/13	18:10	10/13	18:40	14000	4000	S07W54
		2002/10/14	00:19	10/14	02:00	1700	500	S13E75
		2002/10/14	14:35	10/14	16:50	14000	1200	NE90b
		2002/10/14		10/14	01:20	14000	300	SE90b
			23:06					
		2002/11/09	13:20	11/10	03:00	14000	100	S12W29
		2002/11/10	03:20	11/10	06:00	3000	300	S12W37
		2002/11/11	16:15	11/11	17:50	14000	600	S13W60
		2002/11/24	20:05	11/24	20:45	14000	7000	N20E35
		2002/12/19	21:45	12/19	22:30	14000	1500	N15W09
		2002/12/22	04:20	12/22	04:50	5500	3500	N23W42
		2003/01/20	19:10	01/20	20:00	14000	6000	N34W26
##	230	2003/01/27	22:20	01/27	22:26	11000	8000	S17W23
##	231	2003/03/18	12:25	03/18	13:45	4500	500	S15W46
##	232	2003/03/18	13:55	03/18	14:10	14000	7000	S90b
##	233	2003/03/19	02:30	03/19	03:15	14000	6000	SW90b
##	234	2003/04/22	07:25	04/22	08:22	3500	700	NE90b
##	235	2003/05/27	23:12	05/27	23:45	14000	2000	S07W17
##	236	2003/05/28	01:00	05/29	00:30	1000	200	S06W21
##	237	2003/05/29	01:10	05/29	08:00	13000	200	S06W37
##	238	2003/05/31	03:00	05/31	08:00	1000	150	S07W65
		2003/06/05	00:00	06/05	00:00	????	????	W90b
		2003/06/16	00:00	06/16	03:00	14000	400	S07E80
		2003/06/17	22:50	06/18	05:30	10000	200	S08E59
		2003/07/10	14:10	07/10	16:10	4000	400	N13W90
		2003/08/19	11:15	08/19	12:00	14000	1000	S10W57
		2003/10/21	04:10	10/21	04:55	5000	1000	SE90b
		2003/10/26	07:00	10/26	09:15	8000	1500	S15E44
		2003/10/26	17:45	10/26	19:40	14000	1500	N02W38
		2003/10/28	11:10	10/29	24:00	14000	40	S16E08
		2003/10/20	20:55	10/29	24:00	11000	500	S15W02
		2003/10/23	22:55	11/02	00:50	14000	2000	S12W60
		2003/11/01	00:00	11/02	00:00	3333	????	SW90b
		2003/11/02	17:30	11/02	01:00	12000	250	S14W56
		2003/11/03	01:15	11/03	01:25	3000	1500	N10W83
		2003/11/03	10:00	11/03	12:30	6000	400	N08W77
		2003/11/04	00:00	11/04	00:00	????	????	Back?
##	255	2003/11/04	20:00	11/04	24:00	10000	200	S19W83

## 255 2003/11/10								
## 258 2003/11/13			00:00	11/09	00:00	3333	3333	E90b
## 259 2003/11/17								
## 260 2003/11/18								
## 261 2003/11/18	## 25	9 2003/11/17	09:05	11/17	09:20	4000	1500	
## 262 2003/12/02	## 26	0 2003/11/18	00:00	11/18	00:00	3333	3333	N00E18
## 263 2004/01/05	## 26	1 2003/11/18	10:15	11/18	11:30	5000	2000	S16E90
### 264 2004/01/06	## 26	2 2003/12/02	11:00	12/02	12:00	14000	9000	S14W70
## 265 2004/01/07	## 26	3 2004/01/05	03:40	01/05	03:50	9000	2500	S12E38
### 266 2004/01/07	## 26	4 2004/01/06	00:00	01/06	00:00	14000	2000	N05E90
### 267 2004/04/06	## 26	5 2004/01/07	04:15	01/07	06:15	14000	750	N02E82
## 268 2004/04/08	## 26	6 2004/01/07	10:35	01/07	11:35	14000	1500	N06E75
## 269 2004/04/08	## 26	7 2004/04/06	13:05	04/06	16:00	8000	300	S18E15
## 270 2004/04/11 04:20 04/11 05:35 14000 500 \$14W47 ## 271 2004/06/02 23:13 06/02 23:55 14000 2100 W90b ## 272 2004/06/03 16:48 06/03 17:10 12000 5000 W90b ## 273 2004/06/04 07:50 06/04 09:55 14000 2500 W90b ## 274 2004/06/22 22:07 06/22 22:30 10000 7000 \$12W24 ## 275 2004/06/23 06:30 06/23 08:55 14000 2500 N04W05 \$69W21 ## 274 2004/07/23 19:00 07/23 19:35 10000 2500 N04W05 \$69W21 ## 277 2004/07/25 15:00 07/26 22:25 1000 28 N08W33 ## 278 2004/07/29 13:20 07/30 20:30 1000 50 N06W90 \$69W21 ## 279 2004/07/31 07:10 07/31 11:30 1000 200 N05W89 ## 280 2004/08/08 09:15 08/08 09:22 14000 7000 BACK ## 281 2004/09/12 00:45 09/13 21:00 14000 40 N03E49 ## 282 2004/09/19 17:15 09/19 18:15 14000 2500 N01HE 282 2004/10/30 06:40 10/30 07:40 4000 1000 N13W22 ## 283 2004/11/01 05:55 11/01 07:25 3000 400 N099E45 \$11/03 15:55 11/03 16:30 14000 3400 N099E45 ## 288 2004/11/03 03:35 11/03 04:10 2000 1200 N09W30 N09W41 288 2004/11/03 03:35 11/03 04:10 2000 1200 N09W30 N09W41 288 2004/11/03 03:35 11/03 04:10 2000 1200 N09W30 N09W41 288 2004/11/03 03:35 11/03 04:10 2000 1200 N09W30 N09W41 289 2004/11/09 17:35 11/09 18:10 14000 60 N09W41 ## 289 2004/11/09 17:35 11/09 18:10 14000 60 N09W41 ## 289 2004/11/09 17:35 11/09 18:10 14000 60 N09W41 ## 289 2004/11/09 17:35 11/09 18:10 14000 60 N09W41 ## 290 2004/11/09 17:35 11/09 18:10 14000 60 N09W41 ## 290 2004/12/03 00:07 12/04 04:30 10000 60 N09W41 ## 290 2004/12/03 00:07 12/04 04:30 10000 60 N09W41 ## 290 2004/12/03 00:07 12/04 04:30 10000 60 N09W41 ## 290 2004/12/03 00:07 12/04 04:30 10000 60 N09W31 ## 290 2004/12/03 00:07 12/04 04:30 10000 60 N09W31 ## 290 2004/12/03 00:07 12/04 04:30 10000 60 N09W31 ## 290 2004/12/03 00:07 12/04 04:30 10000 60 N09W31 ## 290 2004/12/03 00:07 12/04 04:30 10000 60 N09W31 ## 290 2004/12/03 00:07 12/04 04:30 10000 60 N09W31 ## 290 2004/12/03 00:07 12/04 04:30 10000 60 N09W31 ## 290 2004/12/03 00:07 12/04 04:30 10000 40 N09W31 ## 290 2004/12/03 00:07 12/04 04:30 10000 40 N09W31 ## 290 2005/01/15 00:05 00:00 3000 40 N15W55 14/000 40 N09W31 14/000 40 N09W31 14/00	## 26	8 2004/04/08	10:25	04/08	12:50	3000	500	S15W11
## 271 2004/06/02	## 26	9 2004/04/08	13:30	04/08	14:00	6000	3000	S19W08
## 271 2004/06/02	## 27	0 2004/04/11	04:20	04/11	05:35	14000	500	S14W47
### 272 2004/06/03	## 27	1 2004/06/02		06/02		14000	2100	W90b
## 273 2004/06/04						12000		
### 274 2004/06/22								
### 275 2004/06/23								
### 276 2004/07/23				•				
### 277 2004/07/25								
### 278 2004/07/29								
### 279 2004/07/31								
### 280 2004/08/08								
### 281 2004/09/12								
### 282 2004/09/19								
### 283 2004/10/24								
### 284 2004/10/30								
## 285 2004/11/01								
## 286 2004/11/03								
## 287 2004/11/03								
## 288 2004/11/06								
## 289 2004/11/07								
## 290 2004/11/09								
## 291 2004/11/10 02:25 11/10 03:40 14000 1000 N09W49 ## 292 2004/12/03 00:07 12/04 04:30 10000 60 N08W02 ## 293 2004/12/08 20:05 12/08 20:10 14000 8000 N08W03 ## 294 2004/12/29 16:35 12/29 17:00 14000 4500 N04E62 ## 295 2004/12/30 23:45 12/31 04:20 5000 700 N04E46 ## 296 2005/01/01 00:45 01/01 02:25 14000 450 N06E34 ## 297 2005/01/04 11:20 01/04 11:35 13000 6000 N05W11 ## 298 2005/01/15 06:15 01/15 09:30 14000 250 N16E04 ## 299 2005/01/17 09:25 01/17 16:00 14000 30 N15W25 ## 300 2005/01/19 09:20 01/19 00:00 5300 40 N15W51 ## 302 2005/01/17 10:00 01/17 10:35 6100 1500 N15W25 ## 303 2005/01/20 07:15 01/20 16:30 14000 25 N14W61								
## 292 2004/12/03				-				
## 293 2004/12/08 20:05 12/08 20:10 14000 8000 N08W03 ## 294 2004/12/29 16:35 12/29 17:00 14000 4500 N04E62 ## 295 2004/12/30 23:45 12/31 04:20 5000 700 N04E46 ## 296 2005/01/01 00:45 01/01 02:25 14000 450 N06E34 ## 297 2005/01/04 11:20 01/04 11:35 13000 6000 N05W11 ## 298 2005/01/15 06:15 01/15 09:30 14000 250 N16E04 ## 299 2005/01/15 23:00 01/15 00:00 3000 40 N15W05 ## 300 2005/01/17 09:25 01/17 16:00 14000 30 N15W25 ## 301 2005/01/19 09:20 01/19 00:00 5300 40 N15W51 ## 302 2005/01/17 10:00 01/17 10:35 6100 1500 N15W25 ## 303 2005/01/20 07:15 01/20 16:30 14000 25 N14W61								
## 294 2004/12/29 16:35 12/29 17:00 14000 4500 N04E62 ## 295 2004/12/30 23:45 12/31 04:20 5000 700 N04E46 ## 296 2005/01/01 00:45 01/01 02:25 14000 450 N06E34 ## 297 2005/01/04 11:20 01/04 11:35 13000 6000 N05W11 ## 298 2005/01/15 06:15 01/15 09:30 14000 250 N16E04 ## 299 2005/01/15 23:00 01/15 00:00 3000 40 N15W05 ## 300 2005/01/17 09:25 01/17 16:00 14000 30 N15W25 ## 301 2005/01/19 09:20 01/19 00:00 5300 40 N15W51 ## 302 2005/01/17 10:00 01/17 10:35 6100 1500 N15W25 ## 303 2005/01/20 07:15 01/20 16:30 14000 25 N14W61								
## 295 2004/12/30 23:45 12/31 04:20 5000 700 N04E46 ## 296 2005/01/01 00:45 01/01 02:25 14000 450 N06E34 ## 297 2005/01/04 11:20 01/04 11:35 13000 6000 N05W11 ## 298 2005/01/15 06:15 01/15 09:30 14000 250 N16E04 ## 299 2005/01/15 23:00 01/15 00:00 3000 40 N15W05 ## 300 2005/01/17 09:25 01/17 16:00 14000 30 N15W25 ## 301 2005/01/19 09:20 01/19 00:00 5300 40 N15W51 ## 302 2005/01/17 10:00 01/17 10:35 6100 1500 N15W25 ## 303 2005/01/20 07:15 01/20 16:30 14000 25 N14W61								
## 296 2005/01/01 00:45 01/01 02:25 14000 450 N06E34 ## 297 2005/01/04 11:20 01/04 11:35 13000 6000 N05W11 ## 298 2005/01/15 06:15 01/15 09:30 14000 250 N16E04 ## 299 2005/01/15 23:00 01/15 00:00 3000 40 N15W05 ## 300 2005/01/17 09:25 01/17 16:00 14000 30 N15W25 ## 301 2005/01/19 09:20 01/19 00:00 5300 40 N15W51 ## 302 2005/01/17 10:00 01/17 10:35 6100 1500 N15W25 ## 303 2005/01/20 07:15 01/20 16:30 14000 25 N14W61								
## 297 2005/01/04 11:20 01/04 11:35 13000 6000 N05W11 ## 298 2005/01/15 06:15 01/15 09:30 14000 250 N16E04 ## 299 2005/01/15 23:00 01/15 00:00 3000 40 N15W05 ## 300 2005/01/17 09:25 01/17 16:00 14000 30 N15W25 ## 301 2005/01/19 09:20 01/19 00:00 5300 40 N15W51 ## 302 2005/01/17 10:00 01/17 10:35 6100 1500 N15W25 ## 303 2005/01/20 07:15 01/20 16:30 14000 25 N14W61								
## 298 2005/01/15 06:15 01/15 09:30 14000 250 N16E04 ## 299 2005/01/15 23:00 01/15 00:00 3000 40 N15W05 ## 300 2005/01/17 09:25 01/17 16:00 14000 30 N15W25 ## 301 2005/01/19 09:20 01/19 00:00 5300 40 N15W51 ## 302 2005/01/17 10:00 01/17 10:35 6100 1500 N15W25 ## 303 2005/01/20 07:15 01/20 16:30 14000 25 N14W61								
## 299 2005/01/15 23:00 01/15 00:00 3000 40 N15W05 ## 300 2005/01/17 09:25 01/17 16:00 14000 30 N15W25 ## 301 2005/01/19 09:20 01/19 00:00 5300 40 N15W51 ## 302 2005/01/17 10:00 01/17 10:35 6100 1500 N15W25 ## 303 2005/01/20 07:15 01/20 16:30 14000 25 N14W61			11:20		11:35	13000	6000	N05W11
## 300 2005/01/17 09:25 01/17 16:00 14000 30 N15W25 ## 301 2005/01/19 09:20 01/19 00:00 5300 40 N15W51 ## 302 2005/01/17 10:00 01/17 10:35 6100 1500 N15W25 ## 303 2005/01/20 07:15 01/20 16:30 14000 25 N14W61							250	N16E04
## 301 2005/01/19 09:20 01/19 00:00 5300 40 N15W51 ## 302 2005/01/17 10:00 01/17 10:35 6100 1500 N15W25 ## 303 2005/01/20 07:15 01/20 16:30 14000 25 N14W61	## 29	9 2005/01/15	23:00	01/15	00:00	3000	40	N15W05
## 302 2005/01/17	## 30	0 2005/01/17	09:25	01/17	16:00	14000	30	N15W25
## 303 2005/01/20 07:15 01/20 16:30 14000 25 N14W61	## 30	1 2005/01/19	09:20	01/19	00:00	5300	40	N15W51
	## 30	2 2005/01/17	10:00	01/17	10:35	6100	1500	N15W25
## 304 2005/02/01 11:40 02/01 11:50 8000 4000 BACK	## 30	3 2005/01/20	07:15	01/20	16:30	14000	25	N14W61
	## 30	4 2005/02/01	11:40	02/01	11:50	8000	4000	BACK

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##	307	2005/05/06	17:52	05/06	18:03	5000	4000	S09E29
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##	309	2005/05/17	03:20	05/17	03:35	4500	1500	BACK
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##	312	2005/07/07	16:30	07/07	16:40	4000	2000	N09E03
##	313	2005/07/09	22:15	07/09	23:00	14000	600	N12W28
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		2005/07/24	13:50	07/24	22:30	14000	150	BACK
		2005/07/24	22:35	07/24	22:40	1000	700	BACK
		2005/07/27	05:20	07/27	06:45	1000	450	N11E90
		2005/07/27	07:45	07/27	08:30	2500	1000	NE90b
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		2005/07/30	14:15	08/01	14:50	14000	4500	N13E32
		2005/08/01				8000	4500 550	
			01:30	08/22	03:35			S11W54
		2005/08/22	17:15	08/23	13:00	12000	40	S13W65
		2005/08/23	15:00	08/23	19:30	13000	400	S14W90
		2005/08/29	11:10	08/29	11:14	10000	6000	BACK
		2005/08/31	11:40	08/31	12:10	6000	800	N13W13
		2005/08/31	22:10	08/31	23:00	14000	6000	BACK
		2005/09/03	03:20	09/03	05:15	2000	500	BACK
		2005/09/05	10:40	09/06	00:00	1500	60	S07E81
		2005/09/07	18:05	09/08	00:00	12000	200	S11E77
		2005/09/09	19:45	09/09	22:00	10000	50	S12E67
		2005/09/10	21:45	09/10	01:00	14000	300	S13E47
		2005/09/11	13:10	09/11	15:15	3000	350	S16E39
##	335	2005/09/13	20:20	09/15	06:00	1100	35	S09E10
##	336	2006/04/30	16:20	05/02	01:00	1000	200	S09E08
##	337	2006/07/06	08:45	07/06	17:18	14000	300	S09W34
##	338	2006/08/16	15:45	08/16	22:15	14000	400	S16W08
##	339	2006/08/26	20:40	08/26	21:00	7000	2000	S10E08
##	340	2006/11/05	17:35	11/05	19:20	14000	400	E90b
##	341	2006/11/06	10:35	11/06	11:05	14000	6000	E90b
##	342	2006/11/06	17:45	11/06	19:25	4000	300	E90b
##	343	2006/12/05	10:50	12/05	20:00	14000	250	S07E68
##	344	2006/12/06	02:00	12/06	03:30	1000	200	S07E69
##	345	2006/12/06	08:30	12/06	09:45	4000	600	S04E63
##	346	2006/12/06	19:00	12/08	24:00	16000	30	S05E64
##	347	2006/12/13	02:45	12/13	10:40	12000	150	S06W23
##	348	2006/12/14	22:30	12/14	23:40	14000	1500	S06W46
		2007/01/25	06:55	01/25	23:30	14000	90	S08E90
		2007/05/19	13:02	05/19	13:05	16000	13000	N07W06
		2007/12/31	01:05	12/31	01:22	16000	6000	S08E81
		2008/03/25	19:05	03/25	19:20	12000	800	S13E78
		2008/04/26	14:23	04/26	14:39	7600	4900	N08E09
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##	358	2011/01/27	12:20	01/27	12:35	16000	8000	N12W87
##	359	2011/02/13	17:50	02/13	18:00	16000	8000	S20E04
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##	361	2011/02/24	12:50	02/24	15:10	1000	700	N15E87
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##	363	2011/03/07	20:00	03/08	08:30	16000	200	N31W53
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		2011/08/02	06:15	08/02	07:30	16000	3000	N14W15
		2011/08/04	04:15	08/05	17:00	13000	60	N19W36
		2011/08/08	18:10	08/08	20:10	6000	400	N16W61
		2011/08/09	08:20	08/09	08:35	16000	4000	N17W69
		2011/09/06	02:00	09/06	23:40	14000	200	N14W07
		2011/09/06	22:30	09/07	15:40	16000	150	N14W18
		2011/09/22	11:05	09/22	24:00	14000	70	N09E89
		2011/09/24	12:50	09/24	22:45	16000	300	N10E56
		2011/09/25	05:30	09/25	06:00	16000	8000	N11E47
		2011/10/21	13:15	10/21	13:50	16000	6500	N05W79
		2011/11/09	13:30	11/09	17:00	16000	400	N24E35
		2011/11/26	07:15	11/27	24:00	10000	50	N17W49
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		2011/12/25	18:45	12/25	18:55	14000	7000	S22W26
		2011/12/23	15:00	01/02	15:45	16000	4000	BACK
		2012/01/02		01/02	02:45	16000	100	N32E22
		2012/01/19	04:00	01/20	15:00		40	
		2012/01/23	18:30	01/24	04:45	16000 16000		N28W21
			18:30 04:00				150 400	N27W71
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		2012/03/07	01:00 04:10	03/08	19:00	16000	30 1000	N17E27
		2012/03/09	04:10	03/09	06:05	14000		N15W03
		2012/03/10	17:55	03/11	12:30	14000	30	N17W24
		2012/03/13	17:35	03/13	24:00	16000	200	N17W66
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		2012/03/24	00:40	03/24	10:40	16000	300	BACK
		2012/03/26	23:15	03/26	23:55	16000	1500	BACK
		2012/03/27	21:45	03/27	22:30	4000	1500	BACK
		2012/04/09	12:20	04/09	13:00	16000	5000	N20W65
		2012/04/15	02:30	04/15	02:50	16000	4000	N10E90
		2012/05/17	01:40	05/17	06:20	16000	300	N11W76
		2012/07/04	17:00	07/04	17:20	14000	8000	N14W34
		2012/07/05	22:40	07/05	23:50	3000	800	S12W46
##	402	2012/07/06	23:10	07/07	03:40	16000	300	S13W59

##	403	2012/07/08	16:35	07/08	22:00	16000	300	S17W74
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##	408	2012/08/31	20:00	08/31	23:45	16000	400	S25E59
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##	414	2013/04/18	18:00	04/18	19:10	16000	4000	N11W83
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		2013/05/14	01:16	05/14	02:35	16000	700	N08E77
		2013/05/15	01:49	05/15	07:30	16000	250	N12E64
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		2013/06/21	03:35	06/21	05:15	14000	2000	S16E73
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##	423	2013/07/04	20:57	07/04	21:27	11000	2900	S14E62
		2013/08/06	02:01	08/06	02:11	14000	11000	N27E25
		2013/08/17	20:25	08/18	03:05	1800	150	S05W30
		2013/08/30	02:34	08/31	04:00	14000	50	N15E46
		2013/09/06	22:29	09/06	22:34	5000	2000	N10E104
		2013/09/29	21:53	09/30	21:00	14000	60	N17W29
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		2013/10/05	07:00	10/05	14:46	16000	200	S22E118
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		2013/10/26	03:01	10/26	04:00	14000	200	N09W44
		2013/10/26	09:34	10/26	10:10	14000	5000	N08W49
		2013/10/27	18:12	10/27	18:36	14000	1700	N06W70
		2013/10/28	04:41	10/28	11:51	14000	200	N08W71
		2013/10/28	15:24	10/28	15:29	14000	9000	S06E28
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		2013/11/07	10:26	11/07	20:40	16000	100	N02E151
		2013/11/19	10:39	11/19	20:20	14000	100	S14W70
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		2013/11/23	12:45	12/05	13:00	4200	1600	S20E119
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			17:31 17:41	12/28	18:05 18:47	16000	500 100	S15W125
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		2014/05/07	16:24	05/07	23:18	16000	200	N11E53
		2014/05/08	03:21	05/08	05:26	16000	1100	S09W108
		2014/05/09	02:40	05/09	04:30	14000	500	S11W122
		2014/05/05	04:32	05/03	08:37	16000	400	S11W122
		2014/05/10	12:58	06/10	15:00	16000	1000	S17E82
		2014/06/10						
			22:14	06/12	22:35	14000	6000	S20W55
		2014/07/30	07:44	07/30	08:00	6300	4500	N10E30
		2014/08/01	18:58	08/02	05:00	1000	150	S10E11
		2014/08/22	10:37	08/22	11:18	14000	6000	N12E01
		2014/08/25	15:20	08/25	16:02	14000	4000	N05W36
		2014/08/25	20:43	08/25	21:00	14000	7200	N07W43
		2014/08/28	17:05	08/28	22:08	16000	600	S19E162
		2014/09/01	11:12	09/01	22:35	16000	600	N14E127
		2014/09/09	00:05	09/09	13:00	11000	100	N12E29
		2014/09/10	17:45	09/11	12:00	14000	100	N14E02
##	482	2014/09/20	05:10	09/20	05:30	14000	9700	S11W89
		2014/09/22	06:13	09/22	06:50	16000	4900	N14W142
		2014/09/23	23:41	09/23	23:47	14000	12000	S13E33
		2014/09/24	20:54	09/24	23:48	16000	500	N13E179
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##	487	2014/10/10	18:11	10/10	18:33	2500	1500	S20W51
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		2015/03/24	09:00	03/06	11:47	14000	400	SW90b
		2015/04/26	03:21	04/26	03:33	8000	4600	W90b
				-				

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503 2015/06/09
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505 2015/06/18
506 2015/06/21
507 2015/06/22
508 2015/06/25
509 2015/07/01
510 2015/08/22 07:07 08/22 07:18 14000 7300 S15E13 # 511 2015/09/18 04:54 09/18 09:52 14000 400 521N10 # 512 2015/09/20 18:23 09/21 01:46 14000 300 S20N24 # 513 2015/11/04 14:07 11/04 15:14 14000 400 9000 S11E41 # 513 2015/11/09 13:21 11/09 13:27 14000 9000 S11E41 # 515 2015/12/16 08:45 12/16 08:57 5300 3800 S13W04 # 515 2015/12/16 08:45 12/16 08:57 5300 3800 S13W04 # 516 2015/12/23 01:18 12/23 01:23 12000 6700 522E63 # 517 2015/12/28 11:50 12/28 21:45 14000 180 S23W11 # 518 2016/01/02 00:55 01/02 03:08 1100 300 S25W82 # 519 2016/02/05 20:28 02/05 23:31 1650 500 (NA) # 520 2016/02/05 20:28 02/05 23:31 1650 500 (NA) # 521 2016/05/04 14:20 05/04 14:34 14000 16500 N06W61 # 522 2016/05/24 17:00 05/24 20:50 1500 700 (NA) # 523 2016/08/15 18:21 08/15 18:28 11000 3400 (NA) # 523 2016/08/15 18:21 08/15 18:28 11000 3400 (NA) # 14 8027 C6.8 04/07 14:27 (NA) 360 878 PHTX # 14 8027 C6.8 04/07 14:27 (NA) 360 878 PHTX # 15 8038 C1.3 05/12 05:30 (NA) 360 878 PHTX # 16 8040 M1.3 05/21 21:00 263 165 296 PHTX # 17 8088 C1.4 09/23 22:02 133 155 712 PHTX # 18 8100 C8.6 11/03 05:28 240 109 227 PHTX # 18 8100 C8.6 11/03 05:28 240 109 227 PHTX # 18 8100 MA.2 11/04 06:10 (NA) 360 785 PHTX # 18 8100 MA.2 11/04 06:10 (NA) 360 785 PHTX # 18 8100 MA.2 11/04 06:10 (NA) 360 785 PHTX # 22 8113 X2.6 11/27 13:56 98 91 441 PHTX # 23 8116 89.4 12/13 00:26 278 73 191 PHTX # 23 8116 89.4 12/13 00:26 278 73 191 PHTX # 25 (NA) (NA) 360 785 PHTX # 25 (NA) (NA) 360 785 PHTX # 25 (NA) (NA) 360 785 PHTX # 27 8210 X1.2 04/23 05:55 (NA) 360 1397 PHTX # 27 8210 X1.2 04/23 05:55 (NA) 360 1397 PHTX # 27 8210 X1.2 04/23 05:55 (NA) 360 1397 PHTX # 28 8210 C8.9 04/24 08:55 100 84 1184 PHTX # 27 8210 X1.2 04/23 05:55 (NA) 360 1397 PHTX # 28 8210 X1.2 04/23 05:55 (NA) 360 1397 PHTX # 33 8210 M7.7 05/09 03:35 262 178 2331 PHTX # 33 8210 M7.7 05/09 03:35 262 178 2331 PHTX # 33 8210 M7.7 05/09 03:35 262 178 2331 PHTX # 33 8210 M7.7 05/09 03:35 262 178 2331 PHTX # 35 8222 87.9 05/19 10:27 268 139 801 PHTX # 35 822 87.9 05/19 10:27 268 139 801 PHTX # 35 822 87.9 05/
511 2015/09/18
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512 2015/09/20
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517 2015/12/28
518 2016/01/02
519 2016/02/05
520 2016/02/05
521 2016/05/04
522 2016/05/24
523 2016/08/15
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14 8027
15 8038
16 8040 M1.3 05/21 21:00 263 165 296 PHTX # 17 8088 C1.4 09/23 22:02 133 155 712 PHTX # 18 8100 C8.6 11/03 05:28 240 109 227 PHTX # 19 8100 M4.2 11/03 11:11 233 122 352 PHTX # 20 8100 X2.1 11/04 06:10 <na> 360 785 PHTX # 21 8100 X9.4 11/06 12:10 <na> 360 1556 PHTX # 22 8113 X2.6 11/27 13:56 98 91 441 PHTX # 23 8116 B9.4 12/13 00:26 278 73 191 PHTX # 24 8141 C1.1 01/25 15:26 <na> 360 693 PHTX # 25 <na> <na> 03/29 03:48 <na> 360 1397 PHTX # 26 8194 M1.4 04/20 10:07 284 165 1863 PHTX # 27 8210 X1.2 04/23 05:55 <na> 360 1691 PHTX # 28 8210 C8.9 04/24 08:55 100 84 1184 PHTX # 29 8210 X1.0 04/27 08:56 <na> 360 1337 PHTX # 31 8210 M6.8 04/29 16:58 <na> 360 1337 PHTX # 31 8210 X1.1 05/02 14:06 <na> 360 1337 PHTX # 33 8210 M6.8 04/29 16:58 <na> 360 1337 PHTX # 33 8210 M7.7 05/09 03:35 262 178 2331 PHTX # 33 8210 M7.7 05/09 03:35 262 178 2331 PHTX # 34 8214 B6.6 05/11 21:55 208 <na> 830 PHTX # 33 8210 M7.7 05/09 03:35 262 178 2331 PHTX # 35 8222 B7.9 05/19 10:27 268 139 801 PHTX # 35 8222 B7.9 05/19 10:27 268 139 801 PHTX # 35 8222 B7.9 05/19 10:27 268 139 801 PHTX # 36 8226 C7.5 05/27 13:45 175 268 878 PHTX</na></na></na></na></na></na></na></na></na></na></na></na>
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19 8100 M4.2 11/03 11:11 233 122 352 PHTX # 20 8100 X2.1 11/04 06:10 <na> 360 785 PHTX # 21 8100 X9.4 11/06 12:10 <na> 360 1556 PHTX # 22 8113 X2.6 11/27 13:56 98 91 441 PHTX # 23 8116 B9.4 12/13 00:26 278 73 191 PHTX # 24 8141 C1.1 01/25 15:26 <na> 360 693 PHTX # 25 <na> (NA> 03/29 03:48 <na> 360 1397 PHTX # 26 8194 M1.4 04/20 10:07 284 165 1863 PHTX # 27 8210 X1.2 04/23 05:55 <na> 360 1691 PHTX # 28 8210 C8.9 04/24 08:55 100 84 1184 PHTX # 29 8210 X1.0 04/27 08:56 <na> 360 1385 PHTX # 30 8210 M6.8 04/29 16:58 <na> 360 1374 PHTX # 31 8210 X1.1 05/02 14:06 <na> 360 938 PHTX # 33 8210 M7.7 05/09 03:35 262 178 2331 PHTX # 34 8214 B6.6 05/11 21:55 208 <na> 830 PHTX # 35 8222 B7.9 05/19 10:27 268 139 801 PHTX # 35 8222 B7.9 05/19 10:27 268 139 801 PHTX # 36 8226 C7.5 05/27 13:45 175 268 878 PHTX</na></na></na></na></na></na></na></na></na></na>
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21 8100
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23 8116 B9.4 12/13 00:26 278 73 191 PHTX # 24 8141 C1.1 01/25 15:26 <na> 360 693 PHTX # 25 <na> <na> 03/29 03:48 <na> 360 1397 PHTX # 26 8194 M1.4 04/20 10:07 284 165 1863 PHTX # 27 8210 X1.2 04/23 05:55 <na> 360 1691 PHTX # 28 8210 C8.9 04/24 08:55 100 84 1184 PHTX # 29 8210 X1.0 04/27 08:56 <na> 360 1385 PHTX # 30 8210 M6.8 04/29 16:58 <na> 360 1385 PHTX # 31 8210 X1.1 05/02 14:06 <na> 360 1374 PHTX # 32 8210 X2.7 05/06 08:29 309 190 1099 PHTX # 33 8210 M7.7 05/09 03:35 262 178 2331 PHTX # 34 8214 B6.6 05/11 21:55 208 <na> 830 PHTX # 35 8222 B7.9 05/19 10:27 268 139 801 PHTX # 36 8226 C7.5 05/27 13:45 175 268 878 PHTX</na></na></na></na></na></na></na></na></na>
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3/ 8243 M1.4 06/11 10:28 123 177 1223 PHTX

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## 41 8373						<na></na>		964	
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## 50									
## 51 8552 M3.9 06/04 07:26 289 150 2230 PHTX									
## 52									
## 53									
## 54									
## 55 8596 M1.7 06/23 07:31									
## 56 8592									
### 57 8603									
### 58 8603									
### 59 8674									
## 60 8679									
### 61			X1.1		18:26		245		
## 62 8731	## 60	8679	C2.1			184	175	512	PHTX
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## 67 8841	## 65	8759	M1.8	11/16	05:30	285	129	712	PHTX
## 68	# 66	8831	M3.9	01/18	17:54	<na></na>	360	739	PHTX
## 68	# 67	7 8841	C4.7	01/28	20:12	<na></na>	360	1177	PHTX
## 69	## 68						76	632	
## 70 8858	## 69					<na></na>			
## 71 8858 M1.7 02/12 04:31									
## 72 8872 M1.3 02/17 21:30									
## 73									
## 74 8882 M6.5 03/02 13:54 235 76 835 PHTX ## 75 8906 M1.2 03/07 16:30 120 108 644 PHTX ## 76 8932 C2.3 03/27 07:31 129 90 487 PHTX ## 77 8933 C9.7 04/04 16:32 <na> 360 1188 PHTX ## 78 8948 M3.1 04/10 00:30 <na> 360 409 PHTX ## 79 altr FILA 04/18 14:54 195 105 668 PHTX ## 80 8970 M6.8 05/04 11:26 235 <na> 1404 PHTX ## 81 8970 M1.5 05/05 15:50 <na> 360 1594 PHTX ## 82 <na> <na> 05/07 20:50 <na> 360 1781 PHTX ## 83 <na> <na> 05/12 23:26 <na> 360 2604 PHTX ## 84 8993 C7.8 05/15 16:26 257 <na> 1212 PHTX ## 85 9026 M7.6 06/02 21:30 69 104 547 PHTX</na></na></na></na></na></na></na></na></na></na></na>									
## 75 8906 M1.2 03/07 16:30 120 108 644 PHTX ## 76 8932 C2.3 03/27 07:31 129 90 487 PHTX ## 77 8933 C9.7 04/04 16:32 <na> 360 1188 PHTX ## 78 8948 M3.1 04/10 00:30 <na> 360 409 PHTX ## 79 altr FILA 04/18 14:54 195 105 668 PHTX ## 80 8970 M6.8 05/04 11:26 235 <na> 1404 PHTX ## 81 8970 M1.5 05/05 15:50 <na> 360 1594 PHTX ## 82 <na> <na> 05/07 20:50 <na> 360 1781 PHTX ## 83 <na> <na> 05/12 23:26 <na> 360 2604 PHTX ## 84 8993 C7.8 05/15 16:26 257 <na> 1212 PHTX ## 85 9026 M7.6 06/02 21:30 69 104 547 PHTX</na></na></na></na></na></na></na></na></na></na></na>									
## 76 8932									
## 77 8933									
## 78 8948 M3.1 04/10 00:30									
## 79 altr FILA 04/18 14:54 195 105 668 PHTX ## 80 8970 M6.8 05/04 11:26 235									
## 80 8970 M6.8 05/04 11:26 235 <na> 1404 PHTX ## 81 8970 M1.5 05/05 15:50 <na> 360 1594 PHTX ## 82 <na> <na> 05/07 20:50 <na> 360 1781 PHTX ## 83 <na> <na> 05/12 23:26 <na> 360 2604 PHTX ## 84 8993 C7.8 05/15 16:26 257 <na> 1212 PHTX ## 85 9026 M7.6 06/02 21:30 69 104 547 PHTX</na></na></na></na></na></na></na></na></na>									
## 81 8970 M1.5 05/05 15:50 <na> 360 1594 PHTX ## 82 <na> <na> 05/07 20:50 <na> 360 1781 PHTX ## 83 <na> <na> 05/12 23:26 <na> 360 2604 PHTX ## 84 8993 C7.8 05/15 16:26 257 <na> 1212 PHTX ## 85 9026 M7.6 06/02 21:30 69 104 547 PHTX</na></na></na></na></na></na></na></na>									
## 82									
## 83 <na> <na> 05/12 23:26 <na> 360 2604 PHTX ## 84 8993 C7.8 05/15 16:26 257 <na> 1212 PHTX ## 85 9026 M7.6 06/02 21:30 69 104 547 PHTX</na></na></na></na>									
## 84 8993 C7.8 05/15 16:26 257 <na> 1212 PHTX ## 85 9026 M7.6 06/02 21:30 69 104 547 PHTX</na>									
## 85 9026 M7.6 06/02 21:30 69 104 547 PHTX									
	## 84								
## 86 9026 X2.3 06/06 15:54 <na> 360 1119 PHTX</na>	## 85	9026	M7.6	06/02	21:30	69	104	547	PHTX
	## 86	9026	X2.3	06/06	15:54	<na></na>	360	1119	PHTX

## 87	9026	M5.2	06/10	17:08	<na></na>	360	1108	PHTX
## 88	9041	M1.8	06/15	20:06	298	116	1081	PHTX
t# 89	9041	M3.5	06/17	03:28	298	133	857	PHTX
# 90	<na></na>	<na></na>	06/18	21:30	8	49	459	PHTX
# 91	9042	M3.0	06/23	14:54	282	<na></na>	847	PHTX
# 92	9046	M1.9	06/25	07:54	262	165	1617	PHTX
# 93	9077	M5.7	07/10	21:50	67	<na></na>	1352	PHTX
# 94	9077	X1.0	07/11	13:27	<na></na>	360	1078	PHTX
# 95	9070	M1.5	07/12	20:30	281	101	820	PHTX
# 96	9077	X5.7	07/14	10:54	<na></na>	360	1674	PHTX
# 97	9085	M3.7	07/22	11:54	259	<na></na>	1230	PHTX
[‡] 98	<na></na>	<na></na>	08/11		273	70	1071	PHTX
‡ 99	DSF	M1.0	09/12	11:54	<na></na>	360	1550	PHTX
100	<na></na>	<na></na>	09/12	17:30	<na></na>	360	1053	PHTX
‡ 101	9165	M5.9	09/16	05:18	<na></na>	360	1215	PHTX
# 102	9165	M5.1	09/19		283	76	766	PHTX
# 103	9169	M1.8	09/25		<na></na>	360	587	PHTX
# 104	9177	<na></na>	10/05	18:26	323	86	1046	PHTX
# 104 # 105	9182	M2.5	10/03	07:27	<na></na>	360	1336	PHTX
# 106	9199	C4.0	10/10	07:27 08:26	<na></na>	360	770	PHTX
† 100 † 107						360	291	PHTX
	9213	C3.2	11/03	18:26	<na></na>			
108	9213	M7.4	11/08		271	(13)	1738	PHTX
109	9221	M1.0	<na></na>	<na></na>	<na></na>	<na></na>	<na></na>	PHTX
110	9227	C4.4	11/12		257	50	581	PHTX
111	9238	C5.4	11/23		<na></na>	360	492	PHTX
112	9239	C7.9	11/23	21:30	124	148	1198	PHTX
113	9236	X2.0	11/24	05:30	<na></na>	360	1289	PHTX
114	9236	X2.3	11/24	15:30	<na></na>	360	1245	PHTX
115	9236	X1.8	11/24		<na></na>	360	1005	PHTX
116	9240	M8.2	11/25		<na></na>	360	2519	PHTX
117	9236	X1.9	11/25	19:31	<na></na>	360	671	PHTX
: 118	9236	<na></na>	11/25	21:30	345	59	388	PHTX
119	9236	X4.0	11/26	17:06	<na></na>	360	980	PHTX
# 120	<na></na>	<na></na>	12/28	12:06	<na></na>	360	930	PHTX
121	9313	M1.2	01/20	19:31	<na></na>	360	839	PHTX
122	9313	M7.7	01/20	21:30	<na></na>	360	1507	PHTX
123	9320	C1.6	01/26	12:06	276	176	928	PHTX
# 124	9313	M1.5	01/28	15:54	<na></na>	360	916	PHTX
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‡ 126	9368	M6.7	03/10	04:26	297	81	819	PHTX
# 127	<na></na>	<na></na>	03/12	05:50	233	48	829	PHTX
‡ 128	9393	C7.3	03/27	02:06	154	60	300	PHTX
129	9393	C5.6	03/27	17:06	46	66	340	PHTX
1 30	9393	X1.7	03/29	10:26	<na></na>	360	942	PHTX
# 131	9393	X1.1	04/02	11:26	270	80	992	PHTX
# 132	9393	X20.	04/02	22:06	261	244	2505	PHTX
# 133	9415	X1.2	04/03	03:26	108	292	1613	PHTX
± 134	9415	M1.6	04/04	09:50	86	89	1065	PHTX
	9393	M8.4	04/05	09:06	283	205		PHTX
			, -,			_~~	50	

## 136	9415	X5.6	04/06	19:30	<na></na>	360		PHTX
## 137	9415	M7.9	04/09	15:54	<na></na>	360	1192	PHTX
## 138	9415	X2.3	04/10	05:30	<na></na>	360	2411	PHTX
## 139	9415	M2.3	04/11	13:31	<na></na>	360	1103	PHTX
## 140	9415	X2.0	04/12	10:31	<na></na>	360	1184	PHTX
## 141	9415	X14.	04/15	14:06	245	167	1199	PHTX
## 142	<na></na>	C2.2	04/18	02:30	<na></na>	360	2465	PHTX
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## 144	<na></na>	<na></na>	05/07	12:06	286	205	1223	PHTX
## 145	9455	M3.0	05/13	02:21	190	132	527	PHTX
## 146	9481	<na></na>	05/30	00:06	70	216	2087	PHTX
## 147	9502	M6.3	06/15	10:31	185	119	1090	PHTX
## 148	<na></na>	<na></na>	06/15	15:56	<na></na>	360	1701	PHTX
## 149	<na></na>	<na></na>	08/15	23:54	<na></na>	360	1575	PHTX
## 150	9591	X5.3	08/25	16:50	<na></na>	360	1433	PHTX
## 151	9601	M3.0	08/30	21:26	82	76	351	PHTX
## 152	9607	M2.5	09/03	18:35	127	207	1352	PHTX
## 153	9608	M1.5	09/15	11:54	263	130	478	PHTX
## 154	9616	C8.9	09/16	14:30	131	68	584	PHTX
## 155	9616	M1.5	09/17	08:54	198	166	1009	PHTX
## 156	9631	M1.5	09/20	19:31	306	207	446	PHTX
## 157	9632	X2.6	09/24	10:30	<na></na>	360	2402	PHTX
## 158	EP	C9.5	09/27	08:06	224	138	669	PHTX
## 159	9628	M9.1	10/01	05:30	<na></na>	360	1405	PHTX
## 160	<na></na>	<na></na>	10/05	10:30	<na></na>	360	1537	PHTX
## 161	9653	M1.4	10/09	11:30	<na></na>	360	973	PHTX
## 162	9653	<na></na>	<na></na>	<na></na>	<na></na>	<na></na>	<na></na>	PHTX
## 163	<na></na>	PHTX						
## 164	9661	X1.6			<na></na>	360	558	PHTX
## 165	9661	X1.6	10/19	16:50	<na></na>	360	901	PHTX
## 166	9672	M6.7	10/22	15:06	<na></na>	360	1336	PHTX
## 167		X1.3	10/25			360	1092	PHTX
## 168		X1.0	11/04		<na></na>	360		PHTX
## 169	9704	M2.8	11/17	05:30	<na></na>	360	1379	PHTX
## 170	9698	M3.8	11/22	20:30	<na></na>	360	1443	PHTX
## 171	9704	M9.9	11/22	23:30	<na></na>	360	1437	PHTX
## 172	<na></na>	<na></na>	12/11		263	121	891	PHTX
## 173	<na></na>	<na></na>	12/25	11:30	<na></na>	360	1773	PHTX
## 174	9742	M7.1	12/26		281	<na></na>	1446	PHTX
## 175	9756	X3.4	12/28	20:30	<na></na>	360	2216	PHTX
## 176	<na></na>	<na></na>	12/29		297	79	819	PHTX
## 177	<na></na>	<na></na>	01/08	17:54	<na></na>	360	1794	PHTX
## 178	9772	M4.4	01/14	05:35	<na></na>	360	1492	PHTX
## 179	<na></na>	<na></na>	01/27	12:30	<na></na>	360	1136	PHTX
## 180	<na></na>	<na></na>	01/27	19:54	350	89	448	PHTX
## 181	9825	M3.9	02/01		275	108	358	PHTX
## 181	9866	M2.3	02/21	23:06	<na></na>	360	1429	PHTX
## 183	<na></na>	M5.0	03/10	23:30	<na></na>	360	950	PHTX
## 183		M2.2	03/11		<na></na>	360		PHTX
ππ 104	2000	1.17 • 7	05/ IS	23.00	NMAZ	שטכ	331	Ι ΙΙΙΛ

##	185	9871	C3.1	03/17	04:06	141	56	658	PHTX
##	186	9873	M1.0	03/18	02:54	<na></na>	360	989	PHTX
##	187	9866	M1.6	03/22	11:06	<na></na>	360	1750	PHTX
##	188	9866	M1.6	03/22	12:30	243	120	875	PHTX
##	189	9893	M8.2	04/10	13:27	340	159	650	PHTX
	190	9893	C9.6	04/14	07:50	323	76	757	PHTX
	191	9906	M1.2	04/15	03:50	<na></na>	360	720	PHTX
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	194	9934	C3.2	04/30	14:26	92	90	618	PHTX
	195	<na></na>	<na></na>	04/30	23:26	254	199	1103	PHTX
	196	9937	<na></na>	05/02			99		PHTX
					23:18	119		902	
	197	9948	C4.5	05/16 05/22	00:50	<na></na>	360	600	PHTX
	198	9948	C9.7	05/22	00:06	230	186	1246	PHTX
	199	9967	C3.7	05/27	13:27	49	360	1106	PHTX
		10017	M1.0	07/07	11:30	277	360	1423	PHTX
	201	<na></na>	<na></na>	07/09	19:31	<na></na>	360	1076	PHTX
		10030	M1.8	07/15	21:30	14	165	1300	PHTX
##	203	10030	M8.5	07/17	07:31	36	177	716	PHTX
##	204	10030	X1.8	07/18	08:06	<na></na>	360	1099	PHTX
##	205	10036	C3.3	07/18	19:31	<na></na>	360	2191	PHTX
##	206	<na></na>	<na></na>	07/19	16:30	<na></na>	360	2047	PHTX
##	207	10039	X3.3	07/20	22:06	<na></na>	360	1941	PHTX
##	208	10039	X4.8	07/23	00:42	<na></na>	360	2285	PHTX
##	209	10039	M8.7	07/26	22:06	<na></na>	360	818	PHTX
##	210	FILA	<na></na>	07/29	12:07	13	155	562	PHTX
##	211	10039	X1.0	08/03	19:31	259	138	1150	PHTX
		10061	M2.3	08/14	02:30	297	133	1309	PHTX
		10061	M2.4	08/16	06:06	293	162	1378	PHTX
		10069	M5.2	08/16	12:30	<na></na>	360	1585	PHTX
		10069	X3.1	08/24	01:27	<na></na>	360	1913	PHTX
		10102	C5.2			<na></na>		1748	
		10102	M2.9	09/03	15:30	127	38	273	PHTX
		10134	M2.9 M1.8	09/10		64	56 64	591	PHTX
		10150	C4.7	10/13	19:35	252	141	373	PHTX
		10159	M2.2	10/13	23:54	107	264	1009	PHTX
	221		C4.5	10/14	14:54	<na></na>	360	1694	PHTX
	222		<na></na>	10/27		<na></na>	360	2115	PHTX
		10180	M4.6	11/09		<na></na>	360	1838	PHTX
		10180	M2.4	11/10	03:30	203	282	1670	PHTX
		10180	M1.8	11/11	15:54	212	93	1083	PHTX
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		10229	M2.7	12/19	22:06	<na></na>	360	1092	PHTX
##	228	10223	M1.1	12/22	03:30	328	272	1071	PHTX
##	229	FILA	C1.7	01/20	18:30	315	105	733	PHTX
##	230	FILA	C2.4	01/27	22:23	205	267	1053	PHTX
##	231	10314	X1.5	03/18	12:30	263	209	1601	PHTX
##	232	<na></na>	<na></na>	03/18	13:54	<na></na>	360	1042	PHTX
##	233	<na></na>	<na></na>	03/19	02:30	<na></na>	360	1342	PHTX
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		<na></na>	<na></na>	04/22	07:36	87	171	918	PHTX
##	235	10365	X1.3	05/27	23:50	<na></na>	360	964	PHTX
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##	238	10365	M9.3	05/31	02:30	<na></na>	360	1835	PHTX
##	239	<na></na>	<na></na>	06/05	20:06	230	239	1458	PHTX
##	240	10386	X1.3	06/15	23:54	<na></na>	360	2053	PHTX
##	241	10386	M6.8	06/17	23:18	<na></na>	360	1813	PHTX
##	242	10397	M3.6	<na></na>	<na></na>	<na></na>	<na></na>	<na></na>	PHTX
		10431	M2.7	08/19		262	111	468	PHTX
		<na></na>	<na></na>	10/21		<na></na>	360	1484	PHTX
		10486	X1.2	10/26	06:54	108	109	1371	PHTX
		10484	X1.2	10/26		270	122	1537	PHTX
		10486	X1.2 X17.	10/28	11:30	<na></na>	360	2459	PHTX
		10486							
			X10.	10/29	20:54	<na></na>	360 360	2029	PHTX
		10486	M3.2	11/01		254	360	899	PHTX
		<na></na>	<na></na>	11/02	09:30	<na></na>	360	2036	PHTX
		10486	X8.3	11/02		<na></na>	360	2598	PHTX
		10488	X2.7	11/03		304	65	827	PHTX
		10488	X3.9	11/03		293	103	1420	PHTX
		<na></na>	<na></na>	11/04	12:06	<na></na>	360	1208	PHTX
:#	255	10486	X28.	11/04	19:54	<na></na>	360	2657	PHTX
#	256	<na></na>	<na></na>	11/09	06:30	<na></na>	360	2008	PHTX
#	257	<na></na>	<na></na>	11/11	02:30	<na></na>	360	1359	PHTX
#	258	10501	M1.4	11/13	09:30	49	217	1141	PHTX
#	259	10501	M4.2	11/17	09:26	72	360	1061	PHTX
#	260	10501	M3.9	11/18	08:50	<na></na>	360	1660	PHTX
##	261	10508	M4.5	11/18	09:50	95	91	1824	PHTX
		10508		12/02		261	73	1393	PHTX
		10536	M6.9	<na></na>		<na></na>	<na></na>	<na></na>	PHTX
		10537	M5.8	01/06		88	166	1469	PHTX
		10537		01/07		78		1581	
		10537		01/07		81	182	1822	
		10588		01/07		<na></na>	360	1368	PHTX
		10588	C7.4	04/08		<na></na>	360	1068	PHTX
		10588	C1.3	04/08 04/08	13:31	198	92	959	PHTX
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		10588	C9.6	04/11	04:30	203	314	1645	PHTX
		<na></na>	<na></na>	06/02		287	136	1102	PHTX
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		<na></na>	<na></na>	06/04	07:50	309	360	1306	PHTX
		10635	C1.7	<na></na>	<na></na>	<na></na>	<na></na>	<na></na>	PHTX
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		10652	C4.1	07/23	19:31	209	100	874	PHTX
##	277	10652	M1.1	07/25	14:54	<na></na>	360	1333	PHTX
##	278	10652	C2.1	07/29	12:06	<na></na>	360	1180	PHTX
##	279	10652	C8.4	07/31	05:54	259	360	1192	PHTX
##	280	<na></na>	<na></na>	08/08	08:54	<na></na>	360	1004	PHTX
##	281	10672	M4.8	09/12	00:36	<na></na>	360	1328	PHTX
##	282	10672	M1.9	<na></na>	<na></na>	<na></na>	<na></na>	<na></na>	PHTX
		· -	*	•	•		*	*	-

283 10687
285
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		M6.5		07:24		360		PHTX
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## 436	11875	M1.3	10/26	09:48	286	141	460	PHTX
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nn - 770	12171	11/0/	30, 20	-/ - 27	NAC.	200	, 50	1111/

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##	Halo Low	er_bound						
## 13	No	– No						
## 14	Yes	No						
## 15	Yes	No						
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224 No No ## 225 No No ## 226 Yes No ## 227 Yes No ## 228 No No ## 229 No No ## 230 No No ## 231 No No ## 231 No No ## 232 Yes No ## 233 Yes No ## 234 No No ## 235 Yes No ## 236 Yes No ## 237 Yes No ## 237 Yes No ## 238 Yes No ## 239 No No ## 240 Yes No ## 241 Yes No ## 242 No No
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227 Yes No ## 228 No No ## 229 No No ## 230 No No ## 231 No No ## 232 Yes No ## 233 Yes No ## 234 No No ## 235 Yes No ## 236 Yes No ## 237 Yes No ## 237 Yes No ## 238 Yes No ## 239 No No ## 240 Yes No ## 241 Yes No ## 242 No No
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248 Yes No
249 No Yes
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256 Yes No
257 Yes No
258 No No
259 No Yes
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## 328 Yes No	
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## 347 Yes No	
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407 Yes No

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