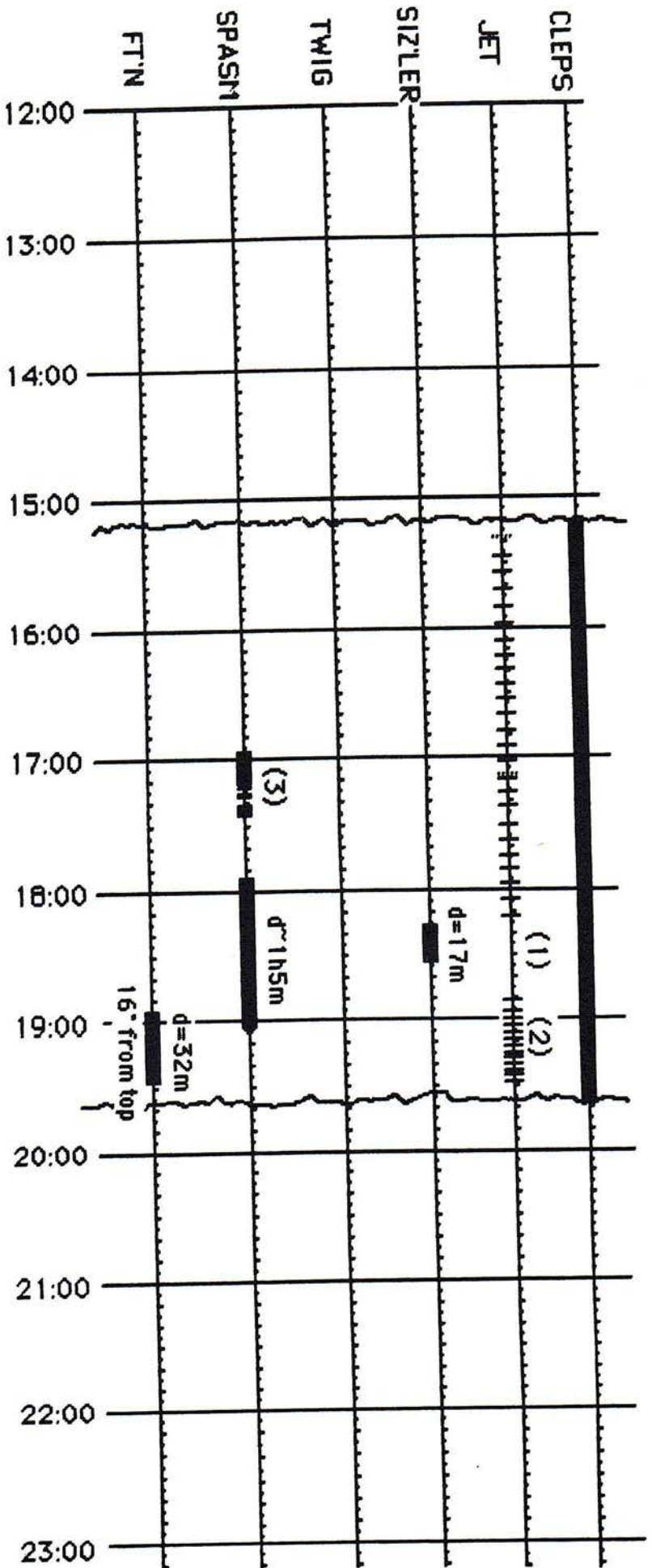
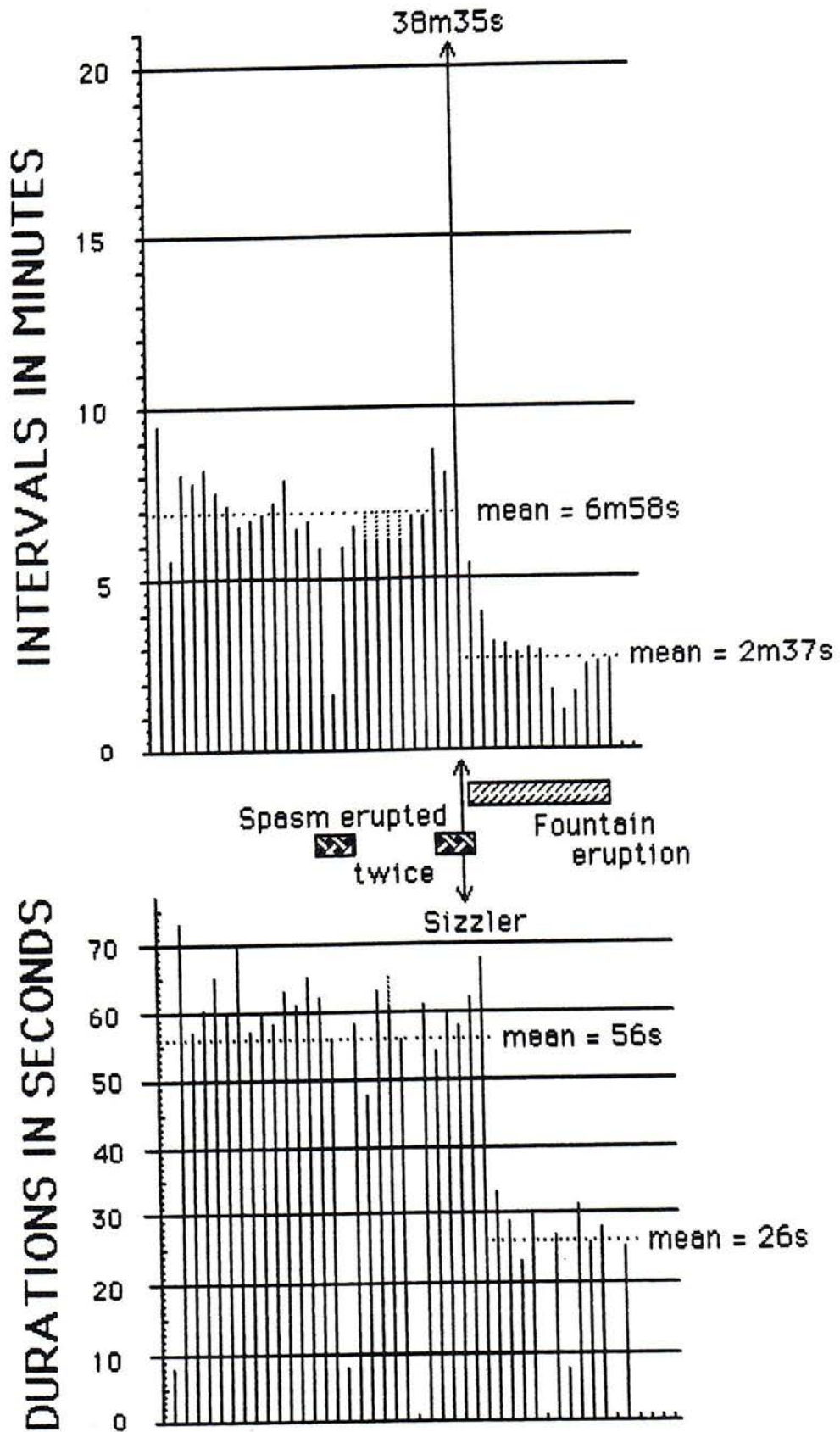


JUNE 30, 1996



- (1) Jet stopped erupting as Sizzler erupted without Fountain in eruption.
- (2) Jet erupted in its quick mode as Fountain erupted shortly after Sizzler finished.
- (3) Spasm filled and then emptied several times before finally draining. About 29m after its last drain, it filled and erupted in its normal manner.

# CONSECUTIVE JET GEYSER INTERVALS AND DURATIONS JUNE 30, 1996





1

# JET GEYSER DATA LOWER GEYSER BASIN YELLOWSTONE NATIONAL PARK JUNE 30, 1996

START TIME	END TIME	INTERVAL IN H:M:S	INTERVAL MEANS	DURATION IN H:M:S	DURATION MEANS	WAS FOUNTAIN ERUPTING	WAS SIZZLER ERUPTING
15:18:27	15:18:36	*		0:00:09		NO	NO
15:27:55	15:29:13		0:09:28	0:01:18		NO	NO
15:34:28	15:35:25		0:06:33	0:00:57		NO	NO
15:42:31	15:43:30		0:08:03	0:00:59		NO	NO
15:50:23	15:51:28		0:07:52	0:01:05		NO	NO
15:58:40	15:59:40		0:08:17	0:01:00		NO	NO
16:06:16	16:07:26		0:07:36	0:01:10		NO	NO
16:13:24	16:14:21		0:07:08	0:00:57		NO	NO
16:19:57	16:20:57		0:06:33	0:01:00		NO	NO
16:26:42	16:27:40		0:06:45	0:00:58		NO	NO
16:33:37	16:34:40		0:06:55	0:01:03		NO	NO
16:40:55	16:41:56		0:07:18	0:01:01		NO	NO
16:48:48	16:49:53		0:07:53	0:01:05		NO	NO
16:55:25	16:56:27		0:06:37	0:01:02		NO	NO
17:02:09	17:03:05		0:06:44	0:00:56		NO	NO
17:08:09	17:08:19		0:06:00	0:00:10		NO	NO
17:10:02	17:11:00		0:01:53	0:00:58		NO	NO
17:16:07	17:16:55		0:06:05	0:00:48		NO	NO
17:22:45	17:23:45		0:06:38	0:01:00		NO	NO
17:30:00			0:07:15	* #####		NO	NO
17:37:20	17:38:16		0:07:20	0:00:56		NO	NO
17:44:00			0:06:40	* #####		NO	NO
17:50:55	17:51:56		0:06:55	0:01:01		NO	NO
17:57:48	17:58:42		0:06:53	0:00:54		NO	NO
18:04:43	18:05:43		0:06:55	0:01:00		NO	NO
18:12:45	18:13:43		0:08:02	0:00:58		NO	NO
18:51:20	18:52:22	*	0:38:35	0:01:02		NO	YES
18:56:43	18:57:51	*	0:05:23	0:06:58	*	0:01:08	0:00:56
19:00:42	19:01:15		0:03:59	0:00:33		YES	NO
19:03:47	19:04:16		0:03:05	0:00:29		YES	NO
19:06:44	19:07:07		0:02:57	0:00:23		YES	NO
19:09:25	19:09:55		0:02:41	0:00:30		YES	NO
19:12:19			0:02:54	* #####		YES	NO
19:15:10	19:15:37		0:02:51	0:00:27		YES	NO
19:16:54	19:17:00		0:01:44	0:00:06		YES	NO
19:17:53	19:18:24		0:00:59	0:00:31		YES	NO
19:20:41	19:21:07		0:02:48	0:00:26		YES	NO
19:23:08	19:23:36		0:02:27	0:00:28		YES	NO
19:25:37			0:02:29	* #####		YES	NO
19:28:12	19:28:38		0:02:35	0:02:37		0:00:26	0:00:26
LEFT AREA							

BLANK INDICATES MISSED DATA  
##### INDICATES IMPOSSIBLE CALCULATION  
\* DATA NOT INCLUDED IN MEAN CALCULATIONS

## JUNE 30, 1996

11:46 Fountain erupted according to Mike Thompson

15:10 Entered area of Fountain Geyser with Clepsydra in eruption, everything else was not erupting. Fountain pool visible, but very low. Sizzler probably just finished. Jelly pool is low. Firehose out in the flats is off.

15:18:27 Jet (a few splashes)

15:19 Sub (one burst)

15:27:55 Jet (73s - weak start)

15:31 Fountain pool filling quite fast

15:34:28 Jet (57s - normal eruption)

15:42:31 Jet (61s)

15:50:23 Jet (65s)

15:58:40 Jet (60s)

16:06:16 Jet (70s)

16:13:24 Jet (57s)

16:15 Fountain pool @ bottom of "cave" and rising

16:19:57 Jet (60s)

16:26 Sizzler, noises ?

16:26:42 Jet (58s)

16:33:37 Jet (63s)

16:36 Deep Blue

16:40:55 Jet (61s)

16:48:48 Jet (65s)

16:55:25 Jet (62s)

16:57 Spasm filling with clear water

16:59 Spasm's twin pools overflow into each other

17:02:09 Jet (56s)

17:08:09 Jet (a few splashes)

17:10:02 Jet (58s)

17:11 Spasm pool draining

17:13 Spasm pool coming back up

17:16:07 Jet (48s)

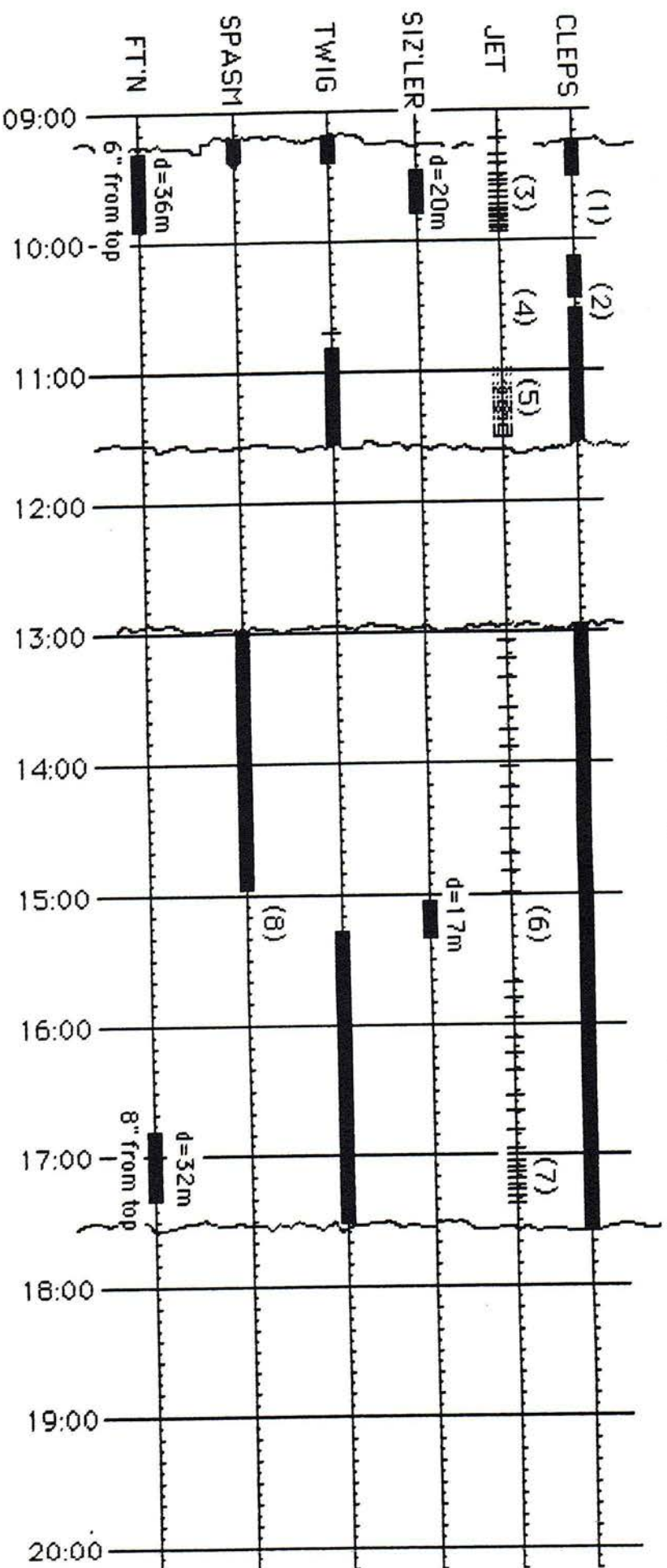
17:16 Spasm pool getting cloudy and filling

17:18 Spasm pool draining - almost out of sight

17:21 Spasm pool refilling again with clear water

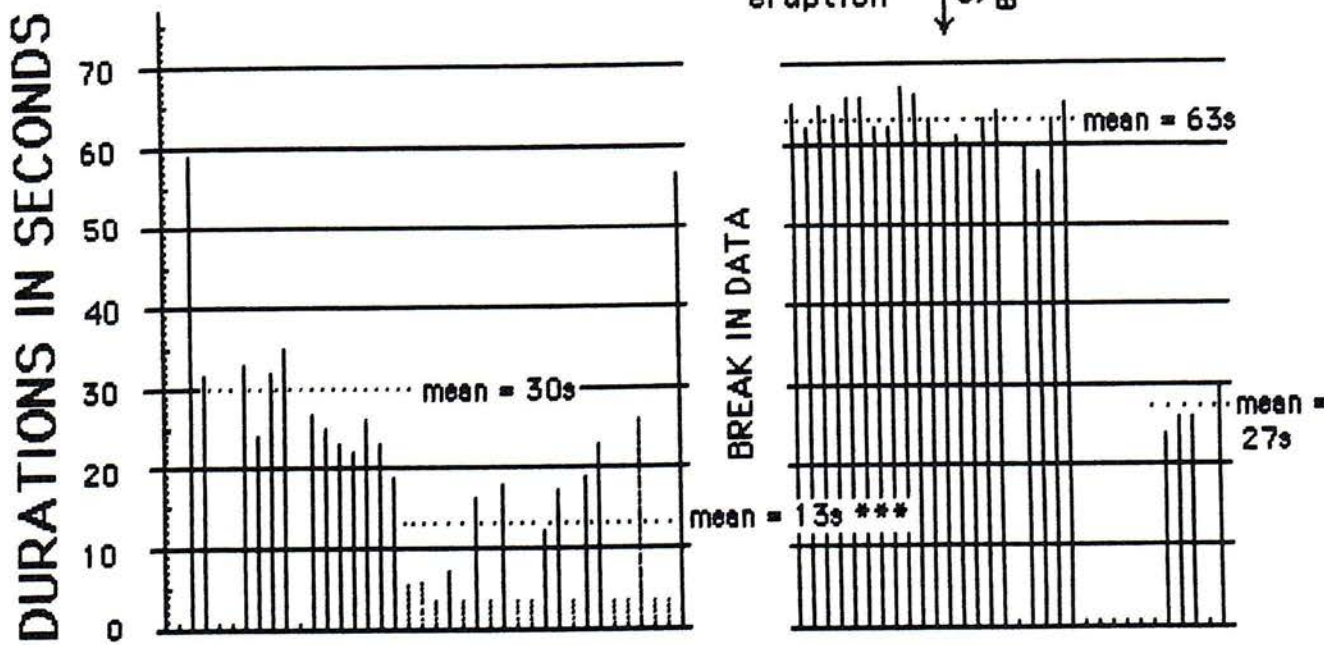
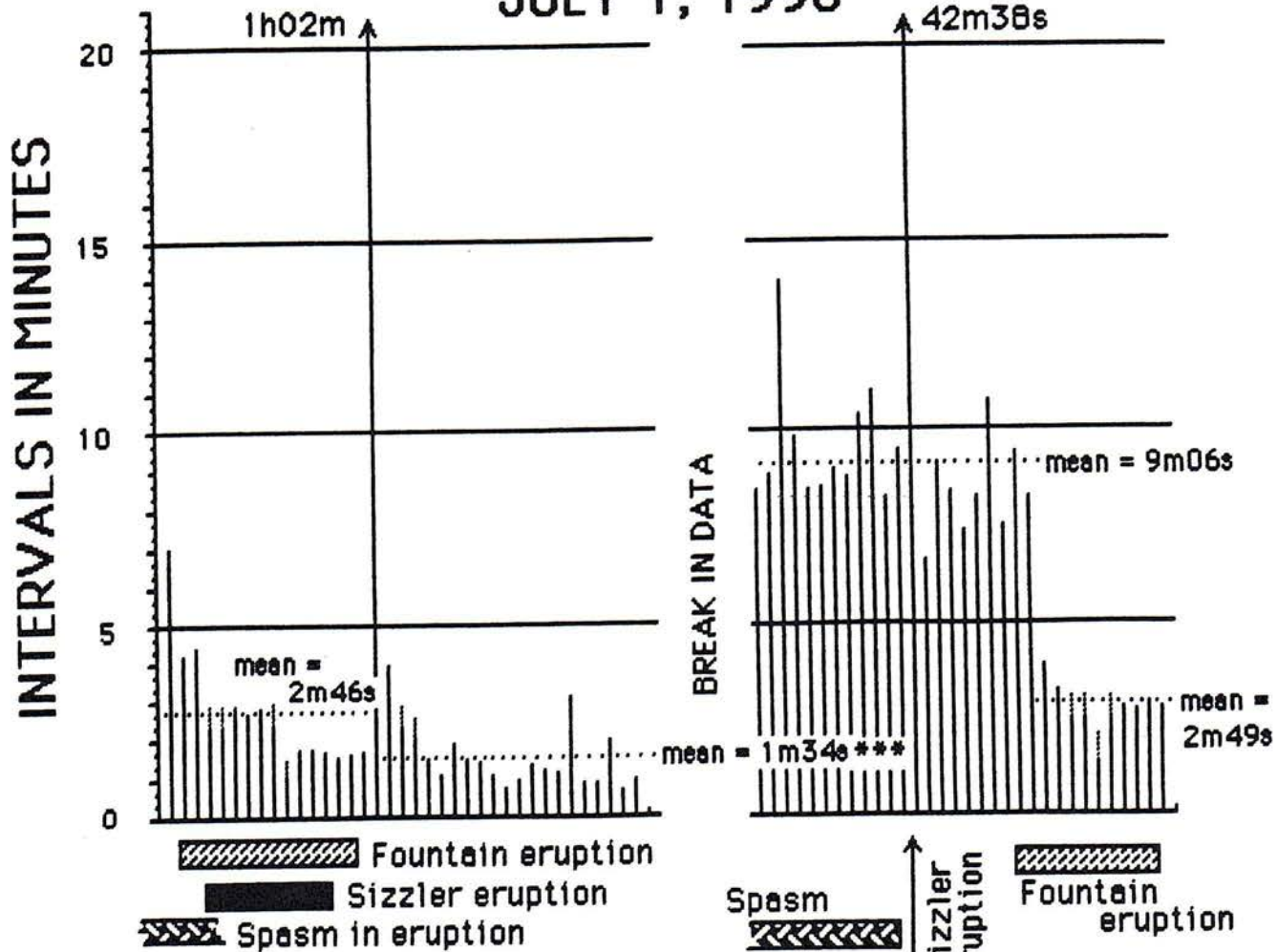


JULY 1, 1996



- (1) Clepsydra paused during Fountain's eruption for 35m.
- (2) Clepsydra paused again 35m after Fountain quit for about 5m.
- (3) Jet erupted in it's quick mode even though Sizzler erupted at this point because Fountain was erupting.
- (4) Jet shut down for 1h 03m after Fountain stopped erupting.
- (5) Jet had 20 weak eruptions in a row as it tried to begin a normal series of eruptions.
- (6) Jet shut down here as Sizzler erupted without Fountain in eruption.
- (7) Jet erupted on quick mode as Fountain erupted.
- (8) Spasin quit erupting 1h51m before Fountain erupted.

# CONSECUTIVE JET GEYSER INTERVALS AND DURATIONS JULY 1, 1996



\*\*\* Series of weak eruptions after Fountain ended



1

# JET GEYSER DATA LOWER GEYSER BASIN YELLOWSTONE NATIONAL PARK JULY 1, 1996

START TIME	END TIME	INTERVAL IN H:M:S	INTERVAL MEANS	DURATION IN H:M:S	DURATION MEANS	WAS FOUNTAIN ERUPTING	WAS SIZZLER ERUPTING
9:13:18		*		* #####		NO	NO
9:20:19	9:21:18	0:07:01		0:00:59		YES	NO
9:24:33	9:25:05	0:04:14		0:00:32		YES	NO
9:29:00		0:04:27		* #####		YES	YES
9:32:00		0:03:00		* #####		YES	YES
9:34:56	9:35:29	0:02:56		0:00:33		YES	YES
9:37:48	9:38:12	0:02:52		0:00:24		YES	YES
9:40:27	9:40:59	0:02:39		0:00:32		YES	YES
9:43:20	9:43:55	0:02:53		0:00:35		YES	YES
9:45:00		0:01:40		* #####		YES	YES
9:46:32	9:46:59	0:01:32		0:00:27		YES	NO
9:48:15	9:48:40	0:01:43		0:00:25		YES	NO
9:49:57	9:50:20	0:01:42		0:00:23		YES	NO
9:51:37	9:51:59	0:01:40		0:00:22		YES	NO
9:53:09	9:53:35	0:01:32		0:00:26		NO	NO
9:54:45	9:55:08	0:01:36	0:02:46	0:00:23	0:00:30	NO	NO
9:56:24	9:56:43	* 0:01:39		0:00:19		NO	NO
10:59:00	10:59:06	** 1:02:36		0:00:06		NO	NO
11:02:57	11:03:05	** 0:03:57		0:00:08		NO	NO
11:06:00	11:06:05	** 0:03:03		0:00:05		NO	NO
11:08:26	11:08:33	** 0:02:26		0:00:07		NO	NO
11:09:55	11:09:59	** 0:01:29		0:00:04		NO	NO
11:10:59	11:11:15	** 0:01:04		0:00:16		NO	NO
11:12:50	11:12:56	** 0:01:51		0:00:06		NO	NO
11:14:19	11:14:37	** 0:01:29		0:00:18		NO	NO
11:14:45	11:14:49	** 0:00:26		0:00:04		NO	NO
11:16:47	11:16:53	** 0:02:02		0:00:06		NO	NO
11:17:32	11:17:44	** 0:00:45		0:00:12		NO	NO
11:18:30	11:18:46	** 0:00:58		0:00:16		NO	NO
11:19:51	11:19:57	** 0:01:21		0:00:06		NO	NO
11:21:03	11:21:22	** 0:01:12		0:00:19		NO	NO
11:22:13	11:22:36	** 0:01:10		0:00:23		NO	NO
11:25:16	11:25:21	** 0:03:03		0:00:05		NO	NO
11:26:08	11:26:11	** 0:00:52		0:00:03		NO	NO
11:27:00	11:27:26	** 0:00:52		0:00:26		NO	NO
11:28:55	11:29:02	** 0:01:55		0:00:07		NO	NO
11:29:35	11:29:42	** 0:00:40		0:00:07		NO	NO
11:30:30	11:31:27	0:00:55	0:01:34	0:00:57	0:00:13	NO	NO
LEFT AREA							
13:04:07	13:05:12	*		0:01:05		NO	NO
13:12:35	13:13:37		0:08:28	0:01:02		NO	NO
13:21:28	13:22:33		0:08:53	0:01:05		NO	NO
13:35:24	13:36:28		0:13:56	0:01:04		NO	NO

BLANK INDICATES MISSED DATA  
##### INDICATES IMPOSSIBLE CALCULATION  
\* DATA NOT INCLUDED IN MEAN CALCULATIONS



**JET GEYSER DATA  
LOWER GEYSER BASIN  
YELLOWSTONE NATIONAL PARK  
JULY 1, 1996**

START TIME	END TIME	INTERVAL IN H:M:S	INTERVAL MEANS	DURATION IN H:M:S	DURATION MEANS	WAS FOUNTAIN ERUPTING	WAS SIZZLER ERUPTING
13:45:14	13:46:20	0:09:50		0:01:06		NO	NO
13:53:40	13:54:46	0:08:26		0:01:06		NO	NO
14:02:13	14:03:15	0:08:33		0:01:02		NO	NO
14:11:13	14:12:15	0:09:00		0:01:02		NO	NO
14:20:05	14:21:12	0:08:52		0:01:07		NO	NO
14:30:30	14:31:36	0:10:25		0:01:06		NO	NO
14:41:31	14:42:34	0:11:01		0:01:03		NO	NO
14:49:48	14:50:48	0:08:17		0:01:00		NO	NO
14:59:15	15:00:16	0:09:27		0:01:01		NO	NO
15:41:53	15:42:53	* 0:42:38		0:01:00		NO	YES
15:48:35	15:49:38	0:06:42		0:01:03		NO	NO
15:57:45	15:58:49	0:09:10		0:01:04		NO	NO
16:06:08		0:08:23		* #####		NO	NO
16:13:28	16:14:28	0:07:20		0:01:00		NO	NO
16:21:45	16:22:42	0:08:17		0:00:57		NO	NO
16:32:30	16:33:33	0:10:45		0:01:03		NO	NO
16:39:54	16:40:59	0:07:24		0:01:05		NO	NO
16:48:54		0:09:00	0:09:06	* #####	0:01:03	YES	NO
16:57:11		* 0:08:17		* #####		YES	NO
17:00:23		0:03:12		* #####		YES	NO
17:03:00		0:02:37		* #####		YES	NO
17:06:00		0:03:00		* #####		YES	NO
17:08:00		0:02:00		* #####		YES	NO
17:11:33	17:11:57	0:03:33		0:00:24		YES	NO
17:14:15	17:14:41	0:02:42		0:00:26		YES	NO
17:16:55	17:17:21	0:02:40		0:00:26		YES	NO
17:19:48		0:02:53		* #####		YES	NO
17:22:32	17:23:02	0:02:44	0:02:49	0:00:30	0:00:27	NO	NO
LEFT AREA							
** AN UNUSUAL SERIES OF WEAK ERUPTIONS OF JET OCCURED AS							
JET RECOVERED FROM THE PRIOR FOUNTAIN ERUPTION							
THESE ERUPTIONS WERE CHARACTERIZED BY WEAK SPLASHES							
AND SHORT DURATIONS AND INTERVALS. NOTE THE AVERAGE							
INTERVAL HERE WAS JUST OVER A MINUTE AND A HALF WHEN							
IT SHOULD'VE BEEN CLOSER TO 8-10 MINUTES.							

BLANK INDICATES MISSED DATA  
##### INDICATES IMPOSSIBLE CALCULATION  
\* DATA NOT INCLUDED IN MEAN CALCULATIONS



## JULY 1, 1996

09:12 enter Fountain area - Spasm on, Jelly full, Twig on, Fountain pool @ ~6" from top  
09:13:18 Jet (??)  
09:15 Morning's Thief erupting  
09:18:43 Fountain erupts \*\*\*\*\*  
09:19 Twig off  
09:20:19 Jet (59s)  
09:24:33 Jet (32s)  
09:27 Sizzler on  
09:27 Old Cone erupts  
09:29:00 Jet (??)  
09:30 Clepsydra off  
09:32 Jet (??)  
09:34:56 Jet (33s)  
09:37:48 Jet (24s)  
09:40:27 Jet (32s)  
09:43:20 Jet (35s)  
09:45 Jet (??)  
09:46:32 Jet (27s)  
09:47 Sizzler off (20m)  
09:48:15 Jet (25s)  
09:49:57 Jet (23s)  
09:51:37 Jet (22s)  
09:53:09 Jet (26s)  
09:54:37 Fountain off (36m) -----  
09:54:45 Jet (23s)  
09:56:24 Jet (19s)  
10:08 Clepsydra coming back  
10:16 Drain ? Big burst left side of Deep Blue  
10:18 Fountain pool still at ~16"  
10:28 Clepsydra pauses for a few seconds  
10:29 Clepsydra stops  
10:32 Clepsydra resumes with weak bursts  
10:33 Clepsydra resumes  
10:35 Fountain pool @ ~13"  
10:42 Twig sputs  
10:49 Twig sputs and on  
10:59 Jet - one small splash  
11:02:57 Jet - couple of small splashes

11:06 Jet - one splash  
11:08.26 Jet (7s)  
11:09:55 Jet - one splash  
11:10.59 Jet (16s - weak)  
11:12:50 Jet - one splash  
11:14:19 Jet (18s)  
11:15.45 Jet - one splash  
11:16:47 Jet - one splash  
11:17.32 Jet (12s)  
11:18.30 Jet (16s)  
11:19.51 Jet - one splash  
11:21.03 Jet (19s) weak eruptions  
11:22.13 Jet (23s)  
11:25.16 Jet - weak  
11:26:08 Jet - weak bursts  
11:27.00 Jet (26s) but weak  
11:28.55 Jet - one splash  
11:29.35 Jet - one splash  
11:30:30 Jet (57s) first normal eruption

+++++

~12:25ie Great Fountain erupts

+++++

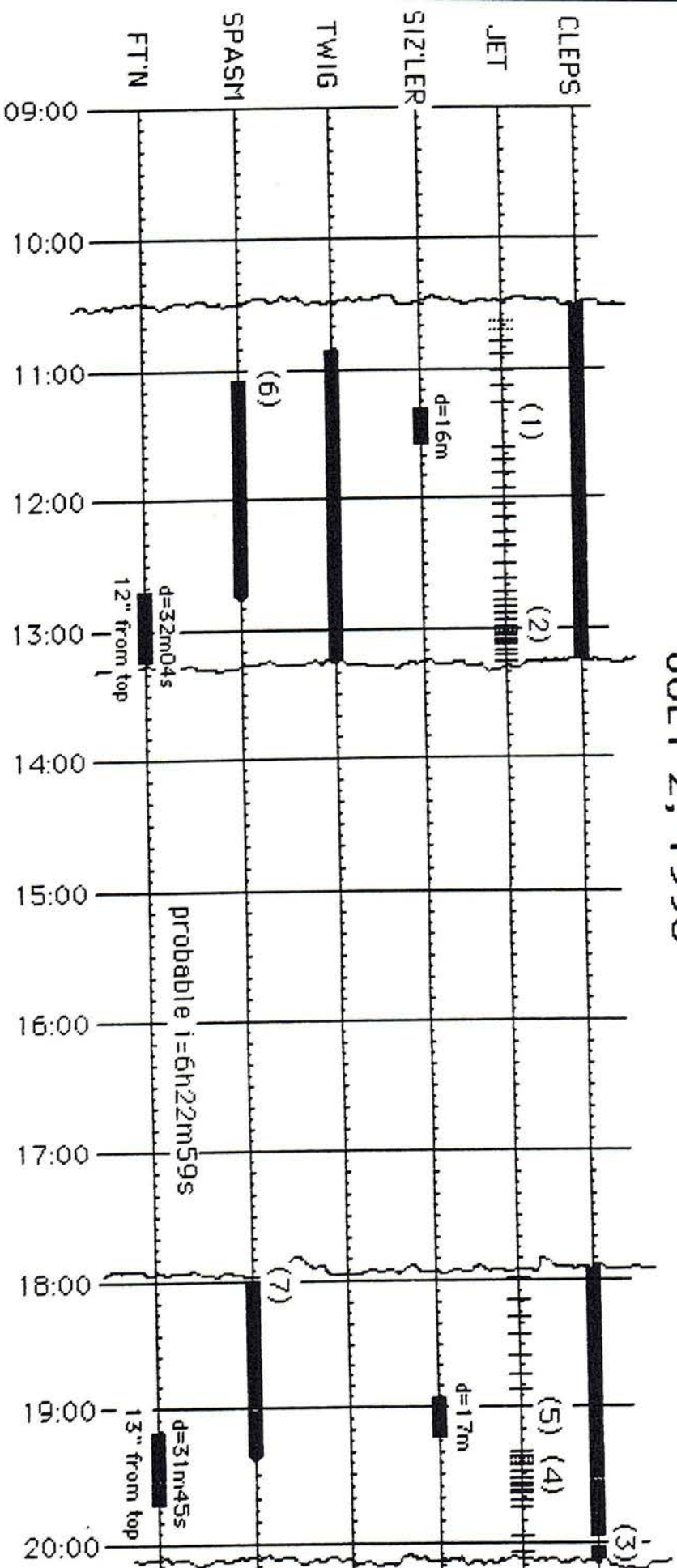
12:59 Return to Fountain area, Old Cone off, Twig off, Sizzler off,  
Spasm weakly erupting, Fountain pool @ ~11" , Sizzler dry.

13:04:07 Jet (65s)  
13:12.35 Jet (62s)  
13:21.28 Jet (65s)  
13:27 Deep Blue - big eruption  
13:27 Fountain pool up to ~10"  
13:35.24 Jet (64s)  
13:37 Fountain pool still rising slowly  
13:45.14 Jet (66s)  
13:47 Fountain pool up to ~9"  
13:53.40 Jet (66s)  
14:02:13 Jet (62s)  
14:11:13 Jet (62s)  
14:16 Fountain pool at ~9"  
14:20.05 Jet (67s)  
14:30.30 Jet (66s)  
14:41:31 Jet (63s)



14.49.48 Jet (60s)  
14.57 Spasm is draining, Fountain pool is coming up  
14.59.15 Jet (61s)—  
15.03 Sizzler on - sput toward Jelly is vigorous  
15.04 Spasm 1/3 down in pool  
15.12 Spasm pool 1/2 full  
15.14 Fountain pool up to ~8"  
15.18 Twig on  
15.20 Sizzler off (17m)  
15.41:53 Jet (60s)  
15.48:35 Jet (63s)  
15.57.45 Jet (64s)  
16.06:08 Jet (??)  
16.13.28 Jet (60s)  
16.21.45 Jet (57s)  
16.23 Twig still on  
16.25 Spasm pool filling  
16.32:30 Jet (63s)  
16.39.54 Jet (65s)  
16.48 Surge in Fountain pool  
16.48.38 Fountain erupts \*\*\*\*\*  
16.48.54 Jet (??)  
16.57.11 Jet (??)  
17:00 Twig still on  
17.00.23 Jet (??)  
17.03 Jet (??)  
17.06 Jet (??)  
17.07 Sub  
17.08 Jet (??)  
17.11 Kaleidoscope  
17.11.33 Jet (24s)  
17.14.15 Jet (26s)  
17.16.55 Jet (26s)  
17.19.48 Jet (??)  
17.20.19 Fountain off (32m) -----  
17.22:32 Jet (30s)  
17.26 Fountain pool drained out of sight - Spasm drained - Twig still  
on  
17.31 Twig off  
17.31 Left area with everything off but Clepsydra

# JULY 2, 1996

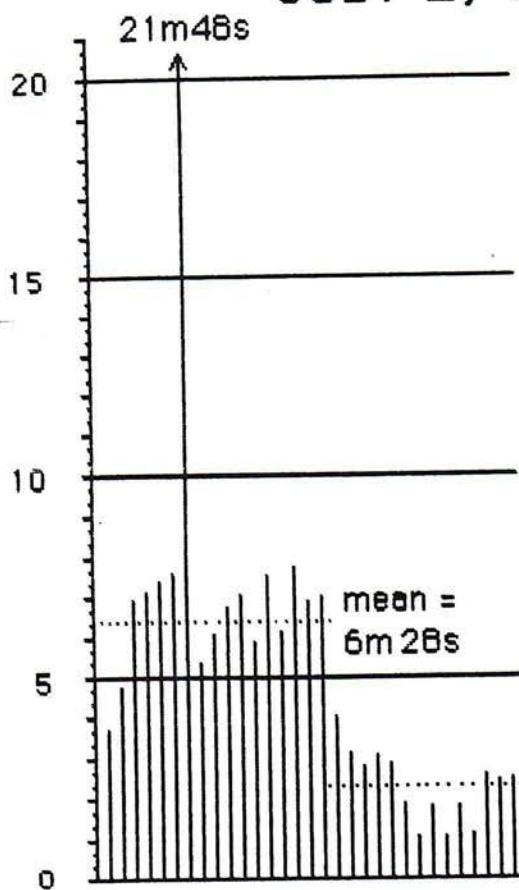


- (1) Jet stopped as Sizzler erupted w/o Fountain in eruption.
- (2) Jet began short intervals and durations 1m05s after Fountain erupted.
- (3) Clepsydra paused for 4m, 15m after Fountain stopped.
- (4) Jet began erupting with short intervals and durations 9m after Fountain erupted. This delay was caused by Sizzler being in eruption until after Fountain began and was unusual.
- (5) Jet stopped its series of eruptions as Sizzler erupted 15m before Fountain erupted.
- (6) Spasm erupted 1h37m before Fountain erupted.
- (7) Spasm erupted 1h10m before Fountain erupted.

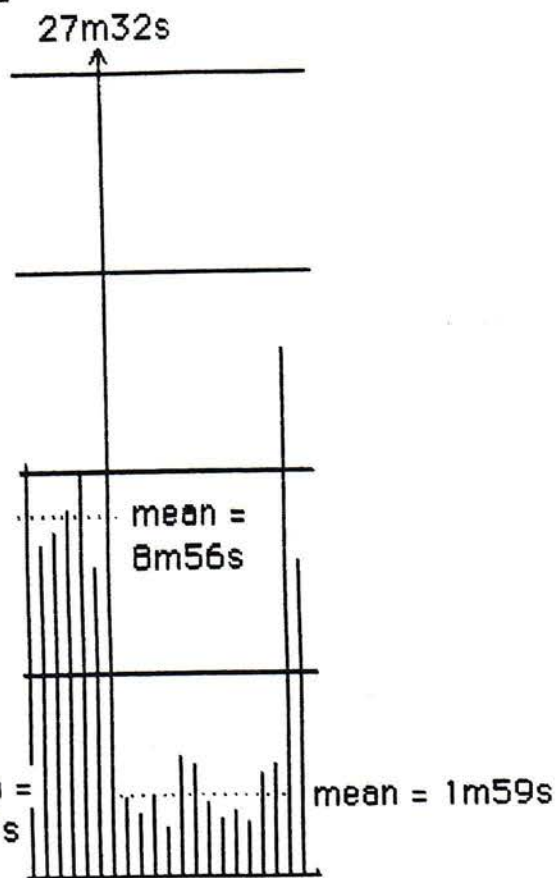


# CONSECUTIVE JET GEYSER INTERVALS AND DURATIONS JULY 2, 1996

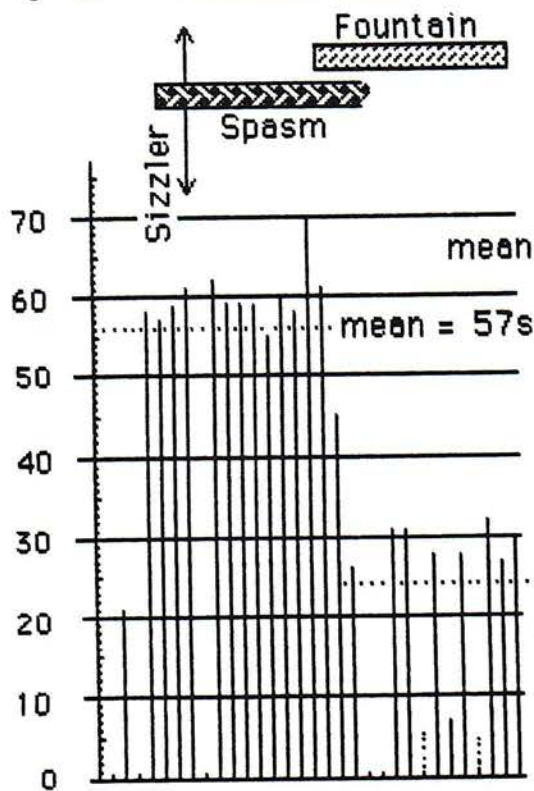
INTERVALS IN MINUTES



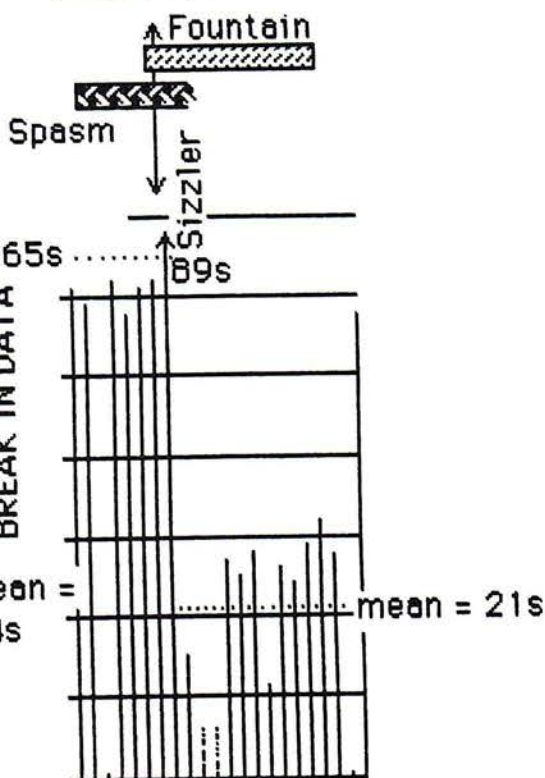
BREAK IN DATA



DURATIONS IN SECONDS



BREAK IN DATA



1

# JET GEYSER DATA LOWER GEYSER BASIN YELLOWSTONE NATIONAL PARK JULY 2, 1996

START TIME	END TIME	INTERVAL IN H:M:S	INTERVAL MEANS	DURATION IN H:M:S	DURATION MEANS	WAS FOUNTAIN ERUPTING	WAS SIZZLER ERUPTING	
10:38:32		*		*	#####	NO	NO	
10:42:15	10:42:36	0:03:43			0:00:21	NO	NO	
10:47:00		0:04:45		*	#####	NO	NO	
10:53:58	10:54:56	0:06:58			0:00:58	NO	NO	
11:01:05	11:02:02	0:07:07			0:00:57	NO	NO	
11:08:29	11:09:28	0:07:24			0:00:59	NO	NO	
11:16:06	11:17:07	0:07:37			0:01:01	NO	NO	
11:37:54		* 0:21:48		*	#####	NO	YES	
11:43:15	11:44:17	0:05:21			0:01:02	NO	NO	
11:49:20	11:50:19	0:06:05			0:00:59	NO	NO	
11:56:05	11:57:04	0:06:45			0:00:59	NO	NO	
12:03:10	12:04:06	0:07:05			0:00:56	NO	NO	
12:09:02	12:09:57	0:05:52			0:00:55	NO	NO	
12:16:32	12:17:32	0:07:30			0:01:00	NO	NO	
12:22:41	12:23:39	0:06:09			0:00:58	NO	NO	
12:30:26	12:31:36	0:07:45			0:01:10	NO	NO	
12:37:18	12:38:19	0:06:52			0:01:01	NO	NO	
12:43:17	12:44:02	* 0:05:59	0:06:28	*	0:00:45	0:00:57	YES	NO
12:47:16	12:47:52	0:03:59			0:00:36		YES	NO
12:50:26		0:03:10		*	#####	YES	NO	
12:53:18		0:02:52		*	#####	YES	NO	
12:56:20	12:56:51	0:03:02			0:00:31	YES	NO	
12:59:10	12:59:41	0:02:50			0:00:31	YES	NO	
13:01:04	13:01:10	0:01:54			0:00:06	YES	NO	
13:02:09	13:02:37	0:01:05			0:00:28	YES	NO	
13:03:55	13:04:02	0:01:46			0:00:07	YES	NO	
13:05:00	13:05:28	0:01:05			0:00:28	YES	NO	
13:06:46	13:06:50	0:01:46			0:00:04	YES	NO	
13:07:53	13:08:25	0:01:07			0:00:32	YES	NO	
13:10:30	13:10:57	0:02:37			0:00:27	YES	NO	
13:12:59	13:13:29	0:02:29			0:00:30	YES	NO	
13:15:33		* 0:02:34	0:02:17	*	#####	0:00:24	NO	NO
LEFT AREA								
17:59:03	18:00:04	*			0:01:01		NO	NO
18:09:15	18:10:14		0:10:12		0:00:59		NO	NO
18:17:28			0:08:13	*	#####		NO	NO
18:25:59	18:27:01		0:08:31		0:01:02		NO	NO
18:35:03	18:36:01		0:09:04		0:00:58		NO	NO
18:45:03	18:46:04		0:10:00		0:01:01		NO	NO
18:52:41	18:53:43		0:07:38		0:01:02		NO	NO
19:20:13	19:21:42	* 0:27:32	0:08:56		0:01:29	0:01:05	YES	YES
19:22:11	19:22:26		0:01:58		0:00:15		YES	NO
19:23:43	19:23:48		0:01:32		0:00:05		YES	NO

BLANK INDICATES MISSED DATA  
##### INDICATES IMPOSSIBLE CALCULATION  
\* DATA NOT INCLUDED IN MEAN CALCULATIONS



**JET GEYSER DATA  
LOWER GEYSER BASIN  
YELLOWSTONE NATIONAL PARK  
JULY 2, 1996**

START TIME	END TIME	INTERVAL IN H:M:S	INTERVAL MEANS	DURATION IN H:M:S	DURATION MEANS	WAS FOUNTAIN ERUPTING	WAS SIZZLER ERUPTING
19:25:42	19:25:45	0:01:59		0:00:03		YES	NO
19:26:56	19:27:23	0:01:14		0:00:27		YES	NO
19:29:53	19:30:18	0:02:57		0:00:25		YES	NO
19:32:37	19:33:05	0:02:44		0:00:28		YES	NO
19:34:23	19:34:34	0:01:46		0:00:11		YES	NO
19:35:45	19:36:11	0:01:22		0:00:26		YES	NO
19:37:23	19:37:47	0:01:38		0:00:24		YES	NO
19:38:42	19:39:11	0:01:19		0:00:29		YES	NO
19:41:15	19:41:47	0:02:33		0:00:32		YES	NO
19:44:00	19:44:28	0:02:45	0:01:59	0:00:28	0:00:21	NO	NO
19:57:00		* 0:13:00		* #####		NO	NO
20:04:49	20:05:47	* 0:07:49		* 0:00:58		NO	NO
LEFT AREA							

## JULY 2, 1996

08:48 Castle erupted  
09:34 Plume  
10:02 Plume  
+++++  
10:38 Enter Fountain area - everything off except Clepsydra. Fountain pool @ ~12", Sizzler looks as if it had just gone off  
10:38:32 Jet - weak  
10:42:15 Jet (21s) weak  
10:47 Jet (??) almost normal  
10:51 Twig on  
10:53:58 Jet (58s)  
11:01:05 Jet (57s)  
11:05 Spasm on - vigorous boiling from both pools - almost forming one pool  
11:08:29 Jet (59s)  
11:10 Fountain pool holding  
11:16:06 Jet (61s)  
11:17 Pulsing geyser 15-20' high to right of Kaleidescope  
11:19:18 Sizzler on - nothing from west sput at first - overflow from main vent fills west sput, then boiling begins  
11:23 Spasm pools combine with weak boils  
11:35 Sizzler off (16m)  
11:37:54 Jet (??) quick recovery!  
11:43:15 Jet (62s)  
11:47 Fountain pool holding @ 12", Twig vigorous, Spasm pool filling slowly, but weak  
11:49:20 Jet (59s)  
11:56:05 Jet (59s)  
12:03:10 Jet (56s)  
12:09:02 Jet (55s)  
12:11 Spasm almost to overflow, slightly more vigorous boiling  
12:16:32 Jet (60s)  
12:21 Fountain mini-surge, then drops  
12:22:41 Jet (58s)  
12:24 Spasm overflowed  
12:26 pulsing geyser to right of Kaleidescope again - this time to 25' - similar to Clepsydra with one vent  
12:30:26 Jet (70s)

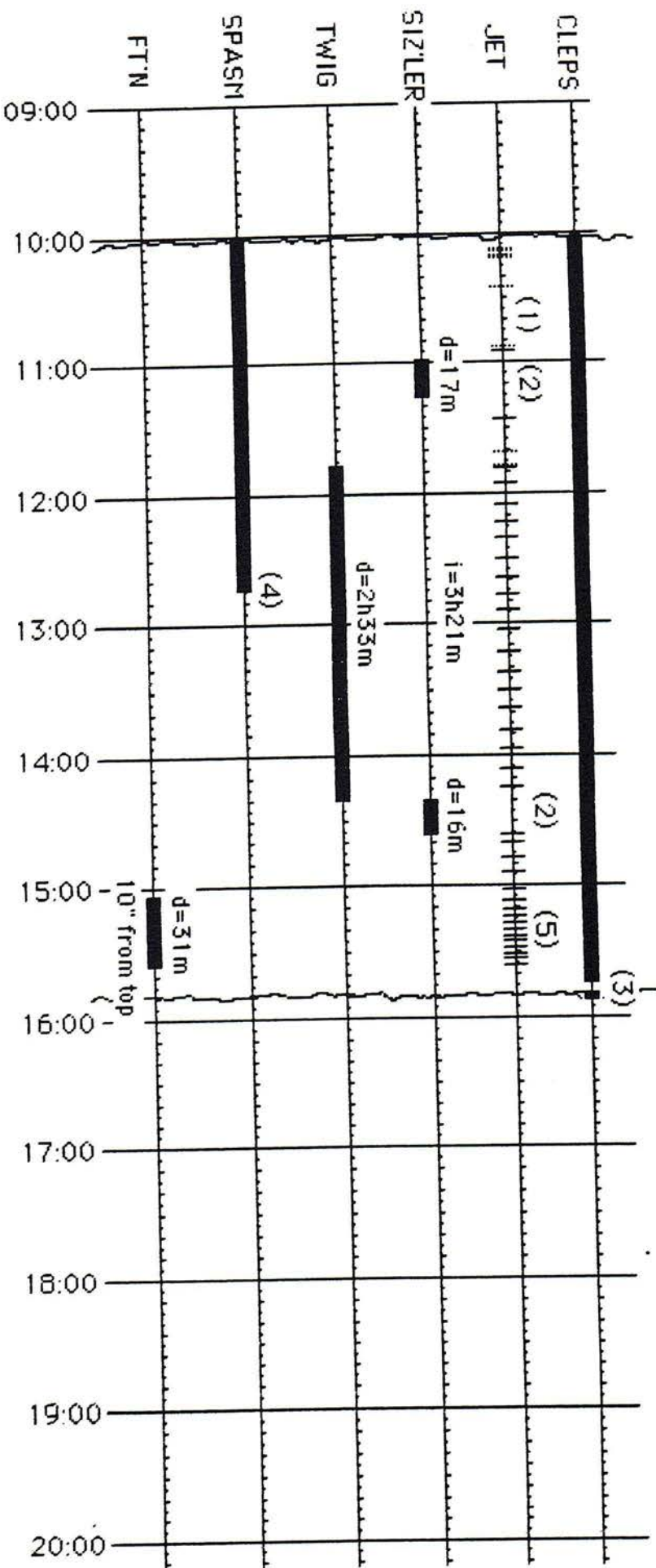


12:33 Twig still on  
12:37.18 Jet (61s) pause of 2s, slow start  
12:41 Fountain pool surged  
12:42.12 Fountain erupts \*\*\*\*\*  
12:43.17 Jet (45s)  
12:47.17 Jet (26s)  
12:50.26 Jet (??)  
12:53.18 Jet (??)  
12:56.20 Jet (31s)  
12:59.10 Jet (31s)  
13:01.04 Jet - single splash  
13:02.09 Jet (28s)  
13:03.55 Jet (7s)  
13:05.00 Jet (28s)  
13:05 Kaleidoscope (from pulsing area)  
13:06.46 Jet (short)  
13:07.53 Jet (32s)  
13:10.30 Jet (27s)  
13:12.59 Jet (30s)  
13:14.16 Fountain off (32m04s) -----  
13:15.33 Jet (??)  
13:14 Fountain pool empty  
#####  
14:30ie Uncertain (while waiting for Grand)  
~15:00 Splendid (false start)  
15:41 Grand  
#####  
17:54 Reenter Fountain area - Spasm 1/2 full, everything else is off  
except Clepsydra - Fountain pool @ 13" - Sizzler may have recently  
finished  
17:59.03 Jet (61s)  
18:01 Spasm on  
18:09.15 Jet (59s)  
18:17.28 Jet (??)  
18:24 Pulsing geyser near Kaleidoscope  
18:25.59 Jet (62s)  
18:35.03 Jet (58s)  
18:39 Spasm overflow toward Jelly began  
18:41 Spasm overflow reached Jelly  
18:45.03 Jet (61s)

18:52.41 Jet (62s)  
18.54 Clepsydra steam phase pounding  
18.56 Sizzler on  
19:03 Clepsydra growling  
19:10 Surge in Fountain pool  
19.11.11 Fountain erupts (l = 6h28m59s) \*\*\*\*\*  
19.13 Sizzler off (17m)  
19:16 Kaleidoscope look alike - big one  
19.20.13 Jet (29s)  
19.22.11 Jet (15s)  
19.23.43 Jet (weak)  
19.25.42 Jet (weak)  
19.26.56 Jet (27s)  
19:29.53 Jet (25s)  
19.32.37 Jet (28s)  
19.34.23 Jet (11s)  
19.35.45 Jet (26s)  
19.37.23 Jet (24s)  
19.38 Pulsing thing near Kaleidoscope  
19:38.42 Jet (29s)  
19.41.15 Jet (32s)  
19:42:56 Fountain off (31m45s) -----  
19.44.00 Jet (28s)  
19:57 Jet (??)  
19:58 Clepsydra pauses  
20:01.58 Clepsydra resumes (~4m)  
20:04.49 Jet (58s)  
20.05 left area

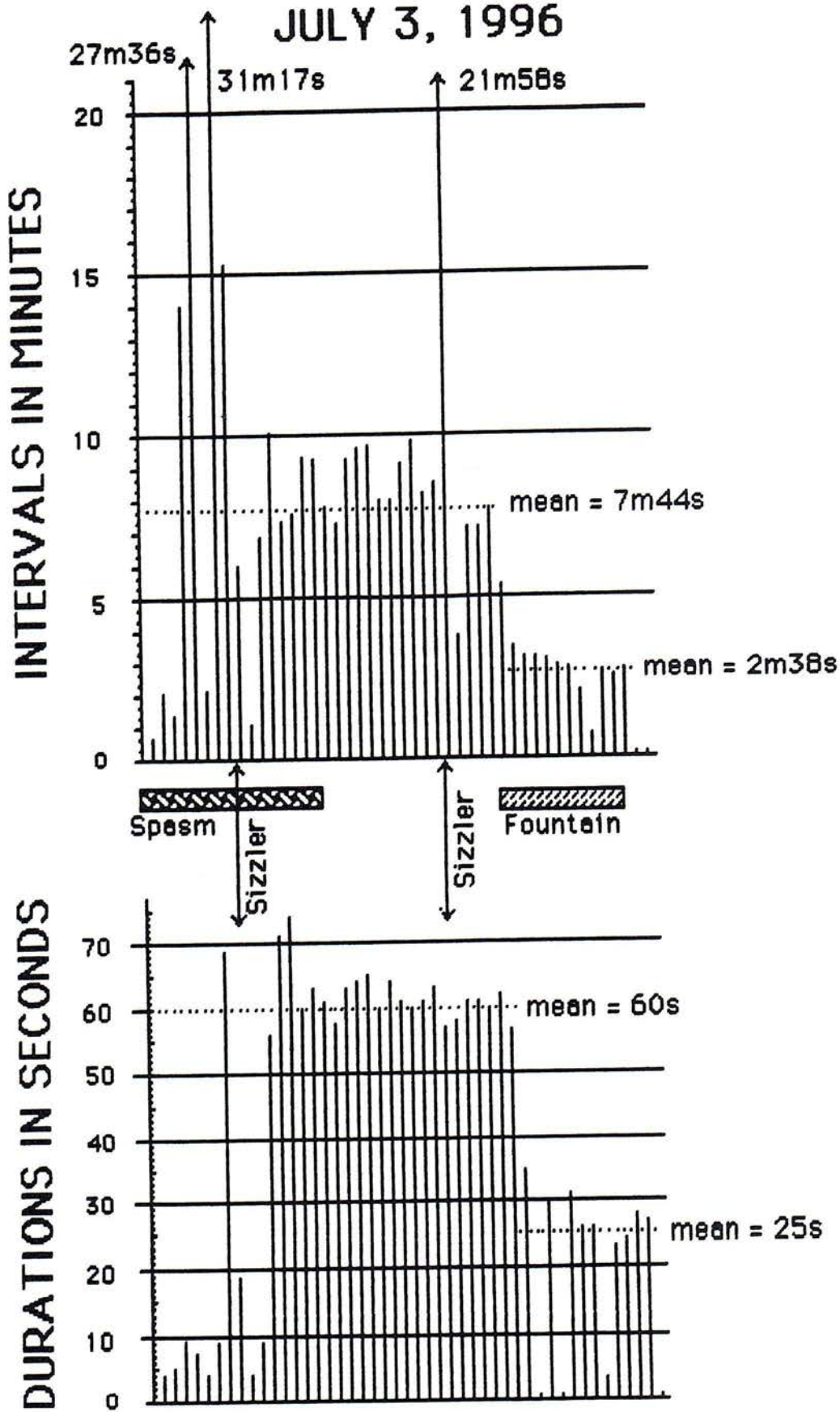


JULY 3, 1996



- (1) Jet was erupting weakly with long intervals as I entered the area.
- (2) Jet stopped erupting as Sizzler erupted w/o Fountain in eruption.
- (3) Clepsydra paused for 4 m.
- (4) Spasm drained 2h20m before Fountain erupted.
- (5) Jet began erupting with short intervals and durations while Fountain was erupting.

# CONSECUTIVE JET GEYSER INTERVALS AND DURATIONS JULY 3, 1996





1

# JET GEYSER DATA LOWER GEYSER BASIN YELLOWSTONE NATIONAL PARK JULY 3, 1996

START TIME	END TIME	INTERVAL IN H:M:S	INTERVAL MEANS	DURATION IN H:M:S	DURATION MEANS	WAS FOUNTAIN ERUPTING	WAS SIZZLER ERUPTING	
10:07:17	10:07:21	**		**	0:00:04	NO	NO	
10:07:59	10:08:20	**	0:00:42	**	0:00:21	NO	NO	
10:10:02	10:10:17	**	0:02:03	**	0:00:15	NO	NO	
10:11:30	10:11:52	**	0:01:28	**	0:00:22	NO	NO	
10:25:24	10:25:29	**	0:13:54	**	0:00:05	NO	NO	
10:53:00	10:53:03	**	0:27:36	**	0:00:03	NO	NO	
10:55:08	10:56:17	**	0:02:08	**	0:01:09	NO	YES	
11:26:25	11:26:44	**	0:31:17	**	0:00:19	NO	NO	
11:41:43	11:41:48	**	0:15:18	**	0:00:05	NO	NO	
11:47:43	11:47:52	**	0:06:00	**	0:00:09	NO	NO	
11:48:46	11:49:42		0:01:03		0:00:56	NO	NO	
11:55:39	11:56:50		0:06:53		0:01:11	NO	NO	
12:05:44	12:06:58		0:10:05		0:01:14	NO	NO	
12:13:06	12:14:06		0:07:22		0:01:00	NO	NO	
12:20:43	12:21:46		0:07:37		0:01:03	NO	NO	
12:30:05	12:31:06		0:09:22		0:01:01	NO	NO	
12:39:19	12:40:17		0:09:14		0:00:58	NO	NO	
12:47:08	12:48:11		0:07:49		0:01:03	NO	NO	
12:54:26	12:55:30		0:07:18		0:01:04	NO	NO	
13:03:42	13:04:47		0:09:16		0:01:05	NO	NO	
13:13:17	13:14:17		0:09:35		0:01:00	NO	NO	
13:22:57	13:24:01		0:09:40		0:01:04	NO	NO	
13:30:56	13:31:57		0:07:59		0:01:01	NO	NO	
13:38:55	13:39:55		0:07:59		0:01:00	NO	NO	
13:48:04	13:49:05		0:09:09		0:01:01	NO	NO	
13:57:53	13:58:56		0:09:49		0:01:03	NO	NO	
14:06:09	14:07:06		0:08:16		0:00:57	NO	NO	
14:14:35	14:15:33		0:08:26		0:00:58	NO	NO	
14:36:33	14:37:34	*	0:21:58		0:01:01	NO	YES	
14:40:20	14:41:15		0:03:47		0:00:55	NO	NO	
14:47:26	14:48:26		0:07:06		0:01:00	NO	NO	
14:54:31	14:55:33		0:07:05		0:01:02	NO	NO	
15:02:15	15:03:12		0:07:44		0:00:57	NO	NO	
15:07:37	15:08:12		0:05:22	0:07:44	0:00:35	0:01:00	YES	NO
15:11:04			0:03:27		* #####		YES	NO
15:14:08	15:14:38		0:03:04		0:00:30		YES	NO
15:17:12			0:03:04		* #####		YES	NO
15:20:12	15:20:43		0:03:00		0:00:31		YES	NO
15:23:05	15:23:31		0:02:53		0:00:26		YES	NO
15:25:54	15:26:20		0:02:49		0:00:26		YES	NO
15:28:00	15:28:04		0:02:06		0:00:04		YES	NO
15:28:45	15:26:08		0:00:45		* #####		YES	NO
15:31:24	15:31:48		0:02:39		0:00:24		YES	NO

BLANK INDICATES MISSED DATA  
##### INDICATES IMPOSSIBLE CALCULATION  
\* DATA NOT INCLUDED IN MEAN CALCULATIONS

**JET GEYSER DATA  
LOWER GEYSER BASIN  
YELLOWSTONE NATIONAL PARK  
JULY 3, 1996**

START TIME	END TIME	INTERVAL IN H:M:S	INTERVAL MEANS	DURATION IN H:M:S	DURATION MEANS	WAS FOUNTAIN ERUPTING	WAS SIZZLER ERUPTING
15:33:56	15:34:24	0:02:32		0:00:28		YES	NO
15:36:39	15:37:06	0:02:43	0:02:38	0:00:27	0:00:25	NO	NO
LEFT AREA							
** WEAK ERUPTIONS CHARACTERIZED BY SINGLE SPLASHES OF WATER, SHORT DURATIONS AND INTERVALS							
THESE ERUPTIONS WERE NOT INCLUDED IN THE MEAN CALCULATIONS							

BLANK INDICATES MISSED DATA  
##### INDICATES IMPOSSIBLE CALCULATION  
\* DATA NOT INCLUDED IN MEAN CALCULATIONS



## JULY 3, 1996

- 10:01 Enter Fountain area - Spasm overflowing into Jelly - Jelly pool full - Fountain pool @~12" - Twig off - Sizzler off
- 10:07:19 Jet - one splash
- 10:07:59 Jet (21s) weak splashes
- 10:10:02 Jet (15s) weak splashes
- 10:11:30 Jet (22s) weak splashes
- 10:22 Deep Blue
- 10:25 Deep Blue
- 10:25:24 Jet - one splash
- 10:27 spouter near Kaleidoscope
- 10:46 Jet growling, but no eruption
- 10:53 Jet - weak splashes
- 10:55 Fountain pool up to ~11"
- 10:55:08 Jet (69s) stutter start
- 10:59:16 Sizzler on
- 11:01 Fountain up to ~10 1/2"
- 11:01 spouter near Kaleidoscope
- 11:01 Sizzler west sput very active - small rocks being thrown up
- 11:16 Sizzler off (17m)
- 11:20 Kaleidoscope - from area of spouter - but spouter still going after big eruption
- 11:25 Fountain pool @~10"
- 11:26:25 Jet (19s) weak
- 11:35 Deep Blue
- 11:41:43 Jet - one splash
- 11:47 Twig on
- 11:47:43 Jet (9s) one or two splashes
- 11:48:46 Jet (56s) pretty normal eruption
- 11:52 Fountain pool still rising @~9 1/2"
- 11:55:39 Jet (71s)
- 12:05:44 Jet (74s)
- 12:11 Sub
- 12:13:06 Jet (60s)
- 12:16 Fountain pool @~9"
- 12:18 Kaleidoscope (58m)
- 12:20:43 Jet (63s)
- 12:30:05 Jet (61s)
- 12:36 Fountain pool @~8 1/2"

12:39:19 Jet (58s)  
12:44 Spasm draining  
12:47:08 Jet (63s)  
12:54:26 Jet (64s)  
12:58 Spasm drained to 1/2 pool  
13:01 Fountain pool @~8" - top of "cave"  
13:03:42 Jet (65s)  
13:10 Fountain pool drops ~1" to ~9"  
13:13:17 Jet (60s)  
13:15 Spasm drained  
13:22:57 Jet (64s)  
13:24 Kaleidoscope (66m)  
13:30:56 Jet (61s)  
13:37 Pulsing geyser near Kaleidoscope (2h36m)  
13:38:55 Jet (60s)  
13:48:04 Jet (61s)  
13:54 Drain! Huge! - pool to the left of Deep Blue  
13:57:53 Jet (63s)  
14:06:04 Jet (57s)  
14:14:35 Jet (58s)  
14:20 Twig off (2h33m)  
14:20 Sizzler on  
14:22 Pretty strong boils in Morning's pool  
14:29 pulsing geyser near Kaleidoscope (52m)  
14:36 Sizzler off (16m)  
14:36:33 Jet (61s)  
14:39 Spasm filling - 1/2 full  
14:40:20 Jet (61s)  
14:43 Fountain pool drops 1" to ~ 10"  
14:47:26 Jet (60s)  
14:50 Kaleidoscope (1h26m)  
14:54:31 Jet (62s)  
15:02:15 Jet (57s)  
15:03 Surge in Fountain pool - Spasm not erupting  
15:04 Fountain erupts \*\*\*\*\*  
15:07:37 Jet (35s)  
15:11:04 Jet (??)  
15:14:08 Jet (30s)  
15:15 Clepsydra pounding  
15:17:12 Jet (??)



15:20.12 Jet (31s)  
15:23:05 Jet (26s)  
15:25:54 Jet (26s)  
15:28 Jet - one splash  
15:28.45 Jet (23s)  
15:30 pulsing geyser near Kaleidoscope (61m)  
15:31.24 Jet (24s)  
15:33.56 Jet (28s)  
15:35.16 Fountain off (31m) -----  
15:36.39 Jet (27s)  
15:39 Fountain pool drained completely  
15:45 Clepsydra pauses  
15:49 Clepsydra resumes (4m)  
15:50 left area for the year

