



# Federal Aviation Administration

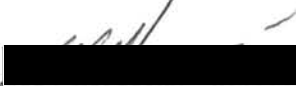
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## Memorandum

Date: October 07, 2013

To: Santa Monica FAA

From:   
Matt Csicsery, Manager, Salt Lake City FAA

Subject: **INFORMATION:** Normal Service Statement  
Aircraft Accident, N194SJ  
Santa Monica, CA, September 30, 2013

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All services provided by Salt Lake City FAA were normal, and there were no pertinent transmissions.



**DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION**  
**REPORT OF AIRCRAFT ACCIDENT**  
(Continuation Sheet)

REPORT DATE  
October 08, 2013

REPORT NO.  
SMO-ATCT-0214

NAME OF REPORTING FACILITY  
Salt Lake City ARTCC (ZLC)

14. CHRONOLOGICAL SUMMARY OF FLIGHT

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME  
UNLESS OTHERWISE SPECIFIED

9/29/2013 12:00:00 AM

- 2314 Hailey FAA Contract Tower requests clearance for N194SJ. R31 releases the aircraft with a climb to 150. Hailey FAA Contract Tower acknowledges.
- 2318 N194SJ checks on R31's frequency out of 90 climbing to 150 5 miles north of the Hailey radio beacon. R31 acknowledges and asks the aircraft to report leaving 140. N194SJ acknowledges.
- 2320 R31 radar-identifies N194SJ and issues a climb to FL200. N194SJ acknowledges.
- 2322 R31 climbs N194SJ to FL230. N194SJ acknowledges.
- 2325 R31 asks N194SJ what his final altitude request is. N194SJ responds FL380. R31 acknowledges and climbs the aircraft to FL280. N194SJ acknowledges.
- 2326 R31 issues a frequency change to N194SJ to R41's frequency. Aircraft does not acknowledge. Aircraft acknowledgment is broadcast on R41's frequency. N194SJ checks in with R41 climbing to FL280. R41 acknowledges and climbs the aircraft to FL380. N194SJ acknowledges.
- 2338 N194SJ requests climb to FL400. R41 advises N194SJ to contact Salt Lake Center 132.25 (R43) with his request. N194SJ acknowledges.
- 2339 N194SJ checks on R43's frequency and requests to climb to FL400. R43 issues the climb. N194SJ acknowledges.

9/30/2013 12:00:00 AM

- 0011 R43 issues a frequency change to N194SJ to Oakland Center. N194SJ acknowledges.

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No More Follows



**DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION**

**PERSONNEL STATEMENT**

1. Name of Reporting Facility:

KSMO

2. Report Number:

SNO-ATCF-0214

3. Aircraft Identification and Type:

N1945J C25A

4. Location of Accident/Incident:

KSMO

5. Date/Time of Accident/Incident (UTC):

0121 09/30/2013

6. Name (Operating Initials):

Richard Brown RB

7. Title:

CPC

8. Position and Time (UTC):

LC 1721

9. Complete in accordance with FAA Order JO 8020.16, Air Traffic Organization Aircraft Accident and Incident Notification, Investigation, and Reporting, Paragraph 91, FAA Form 8020-26, Personnel Statements. The purpose of this statement is to provide any facts within your personal knowledge that will provide a complete understanding of the circumstances surrounding this accident/incident. Speculations, hearsay, opinions, conclusions, and/or other extraneous data are not to be included in this statement. This statement may be released to the public through The Freedom of Information Act or litigation activities including pretrial discovery, depositions, and actual court testimony. This statement is to be hand printed and signed by you, and your signature below certifies the accuracy of this statement. It will neither be edited nor typed and, once signed, will constitute your original statement.

10. Text of Statement:

ORIGINAL  SUPPLEMENTAL

COMMENT  NO COMMENT

I was working local control when N1945J touched down on the aircraft's landing roll, I observed it veering to the right, and what appeared to be smoke coming from the rear. I asked the pilot of the aircraft if he needed further assistance, and he did not respond. The nose of the aircraft appeared to rise, and the aircraft turned off the runway, at which point I lost sight of the aircraft.

The above statement is true and factual to the best of my knowledge, based upon the information available to me at this time.

11. Signature of Witness:

[Redacted Signature]

12. Date of Signature:

9-29-2013



DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

PERSONNEL STATEMENT

1. Name of Reporting Facility:

KSMO

2. Report Number:

SNO-ATIS-0214

3. Aircraft Identification and Type:

N1945J C25A

4. Location of Accident/Incident:

KSMO

5. Date/Time of Accident/Incident (UTC):

09/30/2013 0121

6. Name (Operating Initials):

XX  
WILLIAM R. KEY

7. Title:

ATIS

8. Position and Time (UTC):

Ground Control

9. Complete in accordance with FAA Order JO 8020.16, Air Traffic Organization Aircraft Accident and Incident Notification, Investigation, and Reporting, Paragraph 91, FAA Form 8020-26, Personnel Statements. The purpose of this statement is to provide any facts within your personal knowledge that will provide a complete understanding of the circumstances surrounding this accident/incident. Speculations, hearsay, opinions, conclusions, and/or other extraneous data are not to be included in this statement. This statement may be released to the public through The Freedom of Information Act or litigation activities including pretrial discovery, depositions, and actual court testimony. This statement is to be hand printed and signed by you, and your signature below certifies the accuracy of this statement. It will neither be edited nor typed and, once signed, will constitute your original statement.

10. Text of Statement:

ORIGINAL  SUPPLEMENTAL

COMMENT  NO COMMENT

Rich (LC) notified Myself and Cic  
an Aircraft went off the end of  
the runway 21. At that point  
CIC made all necessary calls.  
While I restarted the ATIS  
made a special and tried to call  
Unit 2 or 3. Local got a hold of  
Unit 2 or 3 and I completed  
the ATIS recording. The above statement  
is true and factual to the best of my  
knowledge based upon the information available  
to me at this time

11. Signature of Witness:

[Redacted Signature]

12. Date of Signature:

9-29-2013



DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

PERSONNEL STATEMENT

1. Name of Reporting Facility:

KSMO

2. Report Number:

SMD-ATCT-0214

3. Aircraft Identification and Type:

N194SJ C25A/Q

4. Location of Accident/Incident:

KSMO

5. Date/Time of Accident/Incident (UTC):

09/29/2013 0121

6. Name (Operating Initials):

ZA

7. Title:

CPC

8. Position and Time (UTC):

CIC

9. Complete in accordance with FAA Order JO 8020.16, Air Traffic Organization Aircraft Accident and Incident Notification, Investigation, and Reporting, Paragraph 91, FAA Form 8020-26, Personnel Statements. The purpose of this statement is to provide any facts within your personal knowledge that will provide a complete understanding of the circumstances surrounding this accident/incident. Speculations, hearsay, opinions, conclusions, and/or other extraneous data are not to be included in this statement. This statement may be released to the public through The Freedom of Information Act or litigation activities including pretrial discovery, depositions, and actual court testimony. This statement is to be hand printed and signed by you, and your signature below certifies the accuracy of this statement. It will neither be edited nor typed and, once signed, will constitute your original statement.

10. Text of Statement:

ORIGINAL

SUPPLEMENTAL

COMMENT

NO COMMENT

I was working the controller-in-charge position at the time of the accident. I did not observe the accident.

The above statement is true and factual to the best of my knowledge, based upon the information available to me at this time.

11. Signature of Witness:

[Redacted Signature]

12. Date of Signature:

09/29/2013

Plotted 09-30-2013 @ 10:25:28

DATA: Target Reports

# ATCPLOT v2.0.61

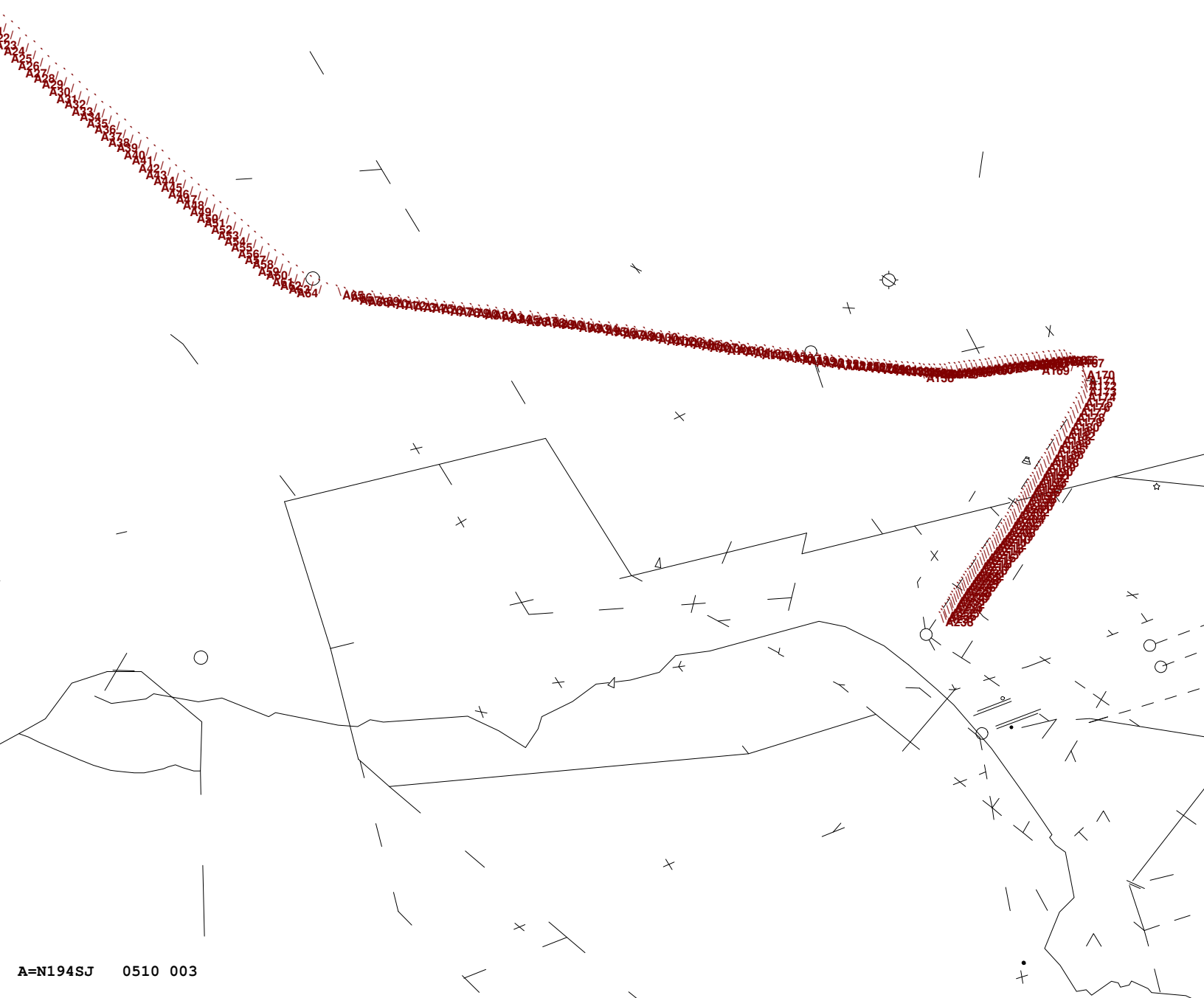
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Sub System = 01

Range = 25, Y-Offset = -11, X-Offset = 17

Center of page Range/Bearing from Sensor 0 = 20.25/303

Range Marks turned off



A=N194SJ 0510 003

I hereby certify this document is derived from computer recordings from \_\_\_\_\_ UTC to \_\_\_\_\_ UTC.  
 It is not an exact representation of the control position display.

• = Normal Track  
 ^ = ABC not equal RBC  
 e = Coasting Track

Manager, \_\_\_\_\_  
 Facility \_\_\_\_\_

Plotted 09-30-2013 @ 10:27:42

DATA: Target Reports

# ATCPLOT v2.0.61

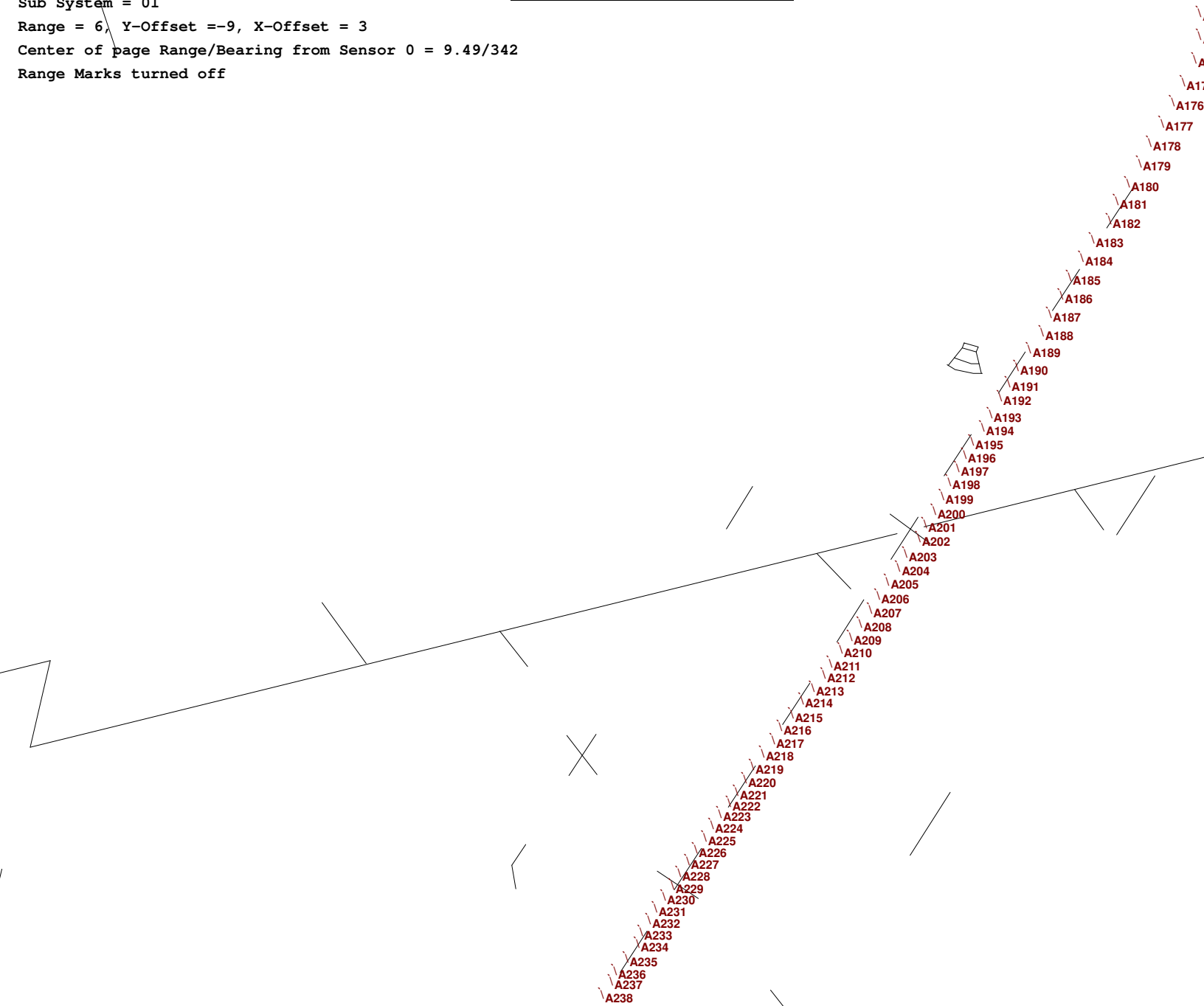
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Sub System = 01

Range = 6, Y-Offset = -9, X-Offset = 3

Center of page Range/Bearing from Sensor 0 = 9.49/342

Range Marks turned off



A=N194SJ 0510 003

I hereby certify this document is derived from computer recordings from \_\_\_\_\_ UTC.

It is not an exact representation of the control position display. \_\_\_\_\_ UTC.

Manager, \_\_\_\_\_

Facility \_\_\_\_\_

\ = Normal Track  
 ^ = ABC not equal RBC  
 c = Coasting Track

Index	Time	ACID	ACP	X Pos	Y Pos	Latitude	Longitude	Brg	Rng	Alt	Hdg	Spd	Separation	Alt/Rng	Plotted 09-30-2013 @ 10:25:28
A020	01:03:44	N194SJ	3479	-41.89	30.18	034 35 18.53N	119 04 50.16W	306	51.63	121	137	367			
A021	01:03:49	N194SJ	3479	-41.56	29.94	034 34 59.83N	119 04 30.75W	306	51.22	120	126	295			
A022	01:03:54	N194SJ	3478	-41.27	29.64	034 34 38.08N	119 04 15.66W	306	50.81	119	137	301			
A023	01:03:58	N194SJ	3477	-40.97	29.33	034 34 15.92N	119 04 00.02W	306	50.39	118	136	384			
A024	01:04:03	N194SJ	3477	-40.63	29.09	034 33 56.81N	119 03 40.07W	306	49.97	117	126	302			
A025	01:04:07	N194SJ	3476	-40.34	28.78	034 33 34.72N	119 03 24.33W	306	49.55	116	136	384			
A026	01:04:12	N194SJ	3475	-40.04	28.47	034 33 12.68N	119 03 08.51W	305	49.13	115	136	307			
A027	01:04:17	N194SJ	3474	-39.73	28.16	034 32 50.23N	119 02 52.14W	305	48.70	113	135	314			
A028	01:04:21	N194SJ	3474	-39.39	27.92	034 32 31.19N	119 02 32.09W	305	48.28	112	125	378			
A029	01:04:26	N194SJ	3474	-39.04	27.68	034 32 12.15N	119 02 12.05W	305	47.86	111	125	302			
A030	01:04:31	N194SJ	3473	-38.74	27.38	034 31 50.24N	119 01 56.02W	305	47.44	110	135	307			
A031	01:04:35	N194SJ	3472	-38.44	27.07	034 31 28.39N	119 01 39.91W	305	47.02	110	135	384			
A032	01:04:40	N194SJ	3472	-38.11	26.84	034 31 09.85N	119 01 20.29W	305	46.61	110	125	295			
A033	01:04:44	N194SJ	3471	-37.80	26.54	034 30 48.06N	119 01 04.07W	305	46.19	110	135	383			
A034	01:04:49	N194SJ	3471	-37.47	26.30	034 30 29.54N	119 00 44.42W	305	45.78	110	125	295			
A035	01:04:54	N194SJ	3470	-37.19	26.02	034 30 09.17N	119 00 29.54W	305	45.39	110	135	285			
A036	01:04:58	N194SJ	3470	-36.85	25.79	034 29 50.68N	119 00 09.85W	305	44.98	110	125	369			
A037	01:05:03	N194SJ	3468	-36.60	25.45	034 29 27.22N	118 59 58.13W	305	44.58	109	144	305			
A038	01:05:07	N194SJ	3468	-36.28	25.22	034 29 09.67N	118 59 39.34W	305	44.19	109	125	351			
A039	01:05:12	N194SJ	3468	-35.95	24.99	034 28 51.22N	118 59 19.60W	305	43.78	109	125	295			
A040	01:05:17	N194SJ	3467	-35.64	24.69	034 28 29.69N	118 59 03.00W	305	43.36	109	134	306			
A041	01:05:21	N194SJ	3467	-35.30	24.46	034 28 11.26N	118 58 43.23W	305	42.95	108	125	369			
A042	01:05:26	N194SJ	3465	-35.03	24.11	034 27 47.19N	118 58 30.07W	305	42.53	107	142	317			
A043	01:05:30	N194SJ	3464	-34.74	23.83	034 27 26.69N	118 58 14.23W	304	42.13	105	134	365			
A044	01:05:35	N194SJ	3464	-34.40	23.60	034 27 08.34N	118 57 54.36W	304	41.72	104	124	295			
A045	01:05:40	N194SJ	3463	-34.10	23.32	034 26 47.45N	118 57 37.93W	304	41.31	102	133	299			
A046	01:05:44	N194SJ	3462	-33.80	23.04	034 26 27.06N	118 57 21.91W	304	40.91	100	133	364			
A047	01:05:49	N194SJ	3462	-33.48	22.82	034 26 09.65N	118 57 02.95W	304	40.52	099	124	281			
A048	01:05:53	N194SJ	3461	-33.19	22.55	034 25 49.77N	118 56 47.32W	304	40.13	098	133	355			
A049	01:05:58	N194SJ	3460	-32.90	22.28	034 25 29.49N	118 56 31.14W	304	39.73	097	133	291			
A050	01:06:03	N194SJ	3459	-32.61	22.01	034 25 09.70N	118 56 15.38W	304	39.34	096	133	284			
A051	01:06:07	N194SJ	3459	-32.30	21.80	034 24 53.25N	118 55 57.31W	304	38.97	095	124	333			
A052	01:06:12	N194SJ	3458	-32.02	21.54	034 24 33.97N	118 55 41.94W	304	38.59	094	133	277			
A053	01:06:17	N194SJ	3457	-31.75	21.28	034 24 15.17N	118 55 26.99W	304	38.22	093	133	270			
A054	01:06:21	N194SJ	3456	-31.46	21.02	034 23 55.97N	118 55 11.49W	304	37.84	092	133	346			
A055	01:06:26	N194SJ	3455	-31.19	20.77	034 23 37.26N	118 54 56.42W	304	37.47	091	133	270			
A056	01:06:30	N194SJ	3454	-30.90	20.51	034 23 18.15N	118 54 40.79W	304	37.09	090	132	346			
A057	01:06:35	N194SJ	3453	-30.63	20.26	034 22 59.52N	118 54 25.60W	303	36.72	089	132	270			
A058	01:06:40	N194SJ	3453	-30.31	20.05	034 22 42.76N	118 54 06.86W	303	36.34	088	123	274			
A059	01:06:44	N194SJ	3451	-30.07	19.76	034 22 22.38N	118 53 55.01W	303	35.98	087	141	339			
A060	01:06:49	N194SJ	3452	-29.73	19.60	034 22 08.34N	118 53 33.80W	303	35.61	086	115	269			
A061	01:06:54	N194SJ	3450	-29.47	19.30	034 21 47.19N	118 53 20.80W	303	35.23	085	139	285			
A062	01:06:58	N194SJ	3451	-29.15	19.16	034 21 34.01N	118 53 00.62W	303	34.88	084	115	319			
A063	01:07:03	N194SJ	3452	-28.80	18.99	034 21 19.45N	118 52 39.01W	303	34.50	083	115	276			
A064	01:07:07	N194SJ	3453	-28.47	18.83	034 21 05.28N	118 52 17.96W	303	34.13	082	115	336			
A065	01:07:12	N194SJ	3456	-28.08	18.76	034 20 55.71N	118 51 51.90W	304	33.77	081	100	283			
A066	01:07:17	N194SJ	3458	-27.73	18.65	034 20 44.34N	118 51 29.24W	304	33.42	080	107	263			
A067	01:07:21	N194SJ	3460	-27.38	18.54	034 20 32.43N	118 51 06.20W	304	33.06	079	108	337			
A068	01:07:26	N194SJ	3463	-27.01	18.47	034 20 23.32N	118 50 41.51W	304	32.72	078	100	268			
A069	01:07:30	N194SJ	3468	-26.60	18.49	034 20 18.44N	118 50 12.02W	305	32.39	077	087	372			
A070	01:07:35	N194SJ	3471	-26.23	18.41	034 20 08.95N	118 49 47.64W	305	32.05	076	101	267			
A071	01:07:40	N194SJ	3474	-25.86	18.33	034 19 58.85N	118 49 22.93W	305	31.70	075	102	273			



Index	Time	ACID	ACP	X Pos	Y Pos	Latitude	Longitude	Brg	Rng	Alt	Hdg	Spd	Separation	Alt/Rng	Plotted 09-30-2013 @ 10:25:28
A072	01:07:44	N194SJ	3478	-25.49	18.30	034 19 51.84N	118 48 57.12W	306	31.38	074	094	337			
A073	01:07:49	N194SJ	3482	-25.09	18.25	034 19 43.24N	118 48 30.07W	306	31.03	073	097	287			
A074	01:07:53	N194SJ	3486	-24.73	18.22	034 19 36.27N	118 48 05.06W	306	30.72	072	095	327			
A075	01:07:58	N194SJ	3490	-24.35	18.18	034 19 28.17N	118 47 39.29W	307	30.39	071	097	273			
A076	01:08:03	N194SJ	3494	-23.97	18.12	034 19 19.39N	118 47 13.24W	307	30.05	070	098	279			
A077	01:08:07	N194SJ	3498	-23.60	18.07	034 19 10.87N	118 46 47.82W	307	29.72	070	098	340			
A078	01:08:12	N194SJ	3502	-23.24	18.02	034 19 03.09N	118 46 23.49W	308	29.41	070	097	259			
A079	01:08:17	N194SJ	3507	-22.87	18.01	034 18 57.23N	118 45 57.22W	308	29.11	070	091	270			
A080	01:08:21	N194SJ	3511	-22.51	17.96	034 18 49.03N	118 45 33.24W	309	28.80	070	099	322			
A081	01:08:26	N194SJ	3515	-22.17	17.91	034 18 41.11N	118 45 09.87W	309	28.50	070	098	250			
A082	01:08:30	N194SJ	3520	-21.80	17.89	034 18 34.56N	118 44 44.15W	309	28.20	070	093	333			
A083	01:08:35	N194SJ	3524	-21.45	17.83	034 18 25.77N	118 44 20.70W	310	27.89	070	101	255			
A084	01:08:40	N194SJ	3528	-21.11	17.76	034 18 17.27N	118 43 57.85W	310	27.59	070	100	248			
A085	01:08:44	N194SJ	3532	-20.78	17.70	034 18 09.07N	118 43 35.61W	310	27.30	070	100	302			
A086	01:08:49	N194SJ	3536	-20.44	17.64	034 18 00.22N	118 43 13.11W	311	27.00	070	102	247			
A087	01:08:53	N194SJ	3543	-20.03	17.66	034 17 55.39N	118 42 43.46W	311	26.70	070	087	374			
A088	01:08:58	N194SJ	3547	-19.71	17.59	034 17 47.08N	118 42 22.19W	312	26.42	070	101	233			
A089	01:09:03	N194SJ	3552	-19.35	17.53	034 17 38.45N	118 41 57.45W	312	26.11	070	099	266			
A090	01:09:07	N194SJ	3558	-18.96	17.51	034 17 31.40N	118 41 30.94W	313	25.81	070	094	345			
A091	01:09:12	N194SJ	3563	-18.62	17.45	034 17 23.28N	118 41 07.46W	313	25.52	070	099	252			
A092	01:09:17	N194SJ	3568	-18.25	17.38	034 17 13.42N	118 40 43.02W	314	25.20	070	102	270			
A093	01:09:21	N194SJ	3574	-17.88	17.34	034 17 06.07N	118 40 17.63W	314	24.91	070	095	333			
A094	01:09:26	N194SJ	3580	-17.51	17.29	034 16 57.92N	118 39 52.11W	315	24.61	070	097	271			
A095	01:09:30	N194SJ	3585	-17.16	17.22	034 16 48.35N	118 39 29.18W	315	24.31	070	103	318			
A096	01:09:35	N194SJ	3592	-16.77	17.19	034 16 41.32N	118 39 02.23W	316	24.02	070	094	280			
A097	01:09:40	N194SJ	3597	-16.43	17.10	034 16 31.26N	118 38 39.81W	316	23.72	070	105	253			
A098	01:09:44	N194SJ	3604	-16.04	17.06	034 16 23.10N	118 38 13.07W	317	23.42	070	096	353			
A099	01:09:49	N194SJ	3610	-15.70	17.00	034 16 14.64N	118 37 49.61W	317	23.14	070	100	254			
A100	01:09:53	N194SJ	3617	-15.31	16.95	034 16 05.86N	118 37 23.48W	318	22.84	070	098	350			
A101	01:09:58	N194SJ	3623	-14.97	16.88	034 15 56.87N	118 37 00.57W	318	22.56	070	101	252			
A102	01:10:03	N194SJ	3630	-14.60	16.83	034 15 48.56N	118 36 35.72W	319	22.28	070	098	266			
A103	01:10:07	N194SJ	3637	-14.25	16.78	034 15 41.02N	118 36 11.82W	320	22.02	070	097	317			
A104	01:10:12	N194SJ	3644	-13.88	16.70	034 15 31.03N	118 35 46.94W	320	21.72	070	102	274			
A105	01:10:17	N194SJ	3651	-13.53	16.64	034 15 22.37N	118 35 23.33W	321	21.45	070	100	256			
A106	01:10:21	N194SJ	3659	-13.16	16.60	034 15 14.78N	118 34 58.18W	322	21.19	070	096	332			
A107	01:10:26	N194SJ	3666	-12.82	16.53	034 15 05.53N	118 34 35.19W	322	20.92	070	102	254			
A108	01:10:30	N194SJ	3674	-12.46	16.48	034 14 57.31N	118 34 10.70W	323	20.66	070	098	328			
A109	01:10:35	N194SJ	3682	-12.10	16.41	034 14 48.20N	118 33 46.26W	324	20.39	070	100	266			
A110	01:10:40	N194SJ	3692	-11.70	16.39	034 14 41.26N	118 33 18.55W	324	20.14	070	093	287			
A111	01:10:44	N194SJ	3700	-11.35	16.33	034 14 32.58N	118 32 55.38W	325	19.89	070	100	315			
A112	01:10:49	N194SJ	3709	-10.99	16.28	034 14 24.22N	118 32 30.50W	326	19.64	070	098	266			
A113	01:10:54	N194SJ	3717	-10.66	16.22	034 14 16.06N	118 32 08.51W	327	19.41	069	100	239			
A114	01:10:58	N194SJ	3727	-10.29	16.20	034 14 09.30N	118 31 43.02W	328	19.19	069	094	332			
A115	01:11:03	N194SJ	3736	-09.95	16.15	034 14 01.63N	118 31 19.90W	328	18.97	069	098	247			
A116	01:11:07	N194SJ	3744	-09.65	16.10	034 13 54.29N	118 30 59.55W	329	18.77	069	100	275			
A117	01:11:12	N194SJ	3753	-09.32	16.05	034 13 46.60N	118 30 37.29W	330	18.56	068	099	239			
A118	01:11:17	N194SJ	3762	-09.00	16.00	034 13 39.19N	118 30 15.56W	331	18.36	067	098	233			
A119	01:11:21	N194SJ	3770	-08.71	15.94	034 13 31.65N	118 29 56.28W	331	18.17	066	101	264			
A120	01:11:26	N194SJ	3779	-08.41	15.91	034 13 25.44N	118 29 35.69W	332	18.00	065	096	217			
A121	01:11:30	N194SJ	3788	-08.11	15.86	034 13 17.79N	118 29 15.05W	333	17.81	064	100	281			
A122	01:11:35	N194SJ	3798	-07.79	15.83	034 13 11.39N	118 28 53.11W	334	17.64	063	095	231			
A123	01:11:40	N194SJ	3806	-07.52	15.78	034 13 04.63N	118 28 35.43W	335	17.48	062	101	193			

Index	Time	ACID	ACP	X Pos	Y Pos	Latitude	Longitude	Brg	Rng	Alt	Hdg	Spd	Separation	Alt/Rng	Plotted 09-30-2013 @ 10:25:28
A124	01:11:44	N194SJ	3816	-07.22	15.76	034 12 58.85N	118 28 14.34W	335	17.33	061	094	276			
A125	01:11:49	N194SJ	3826	-06.92	15.74	034 12 53.36N	118 27 53.64W	336	17.19	061	094	216			
A126	01:11:54	N194SJ	3834	-06.67	15.70	034 12 47.71N	118 27 37.07W	337	17.06	060	098	178			
A127	01:11:58	N194SJ	3844	-06.38	15.67	034 12 41.72N	118 27 16.87W	338	16.92	059	096	266			
A128	01:12:03	N194SJ	3853	-06.12	15.65	034 12 36.45N	118 26 58.97W	339	16.80	058	096	189			
A129	01:12:07	N194SJ	3862	-05.86	15.63	034 12 31.56N	118 26 41.36W	339	16.69	057	094	230			
A130	01:12:12	N194SJ	3871	-05.61	15.60	034 12 26.46N	118 26 23.94W	340	16.58	056	095	183			
A131	01:12:17	N194SJ	3881	-05.33	15.58	034 12 21.28N	118 26 04.90W	341	16.47	055	094	199			
A132	01:12:21	N194SJ	3889	-05.11	15.54	034 12 15.64N	118 25 49.71W	342	16.36	054	100	207			
A133	01:12:26	N194SJ	3899	-04.84	15.53	034 12 11.21N	118 25 31.17W	343	16.27	054	092	191			
A134	01:12:31	N194SJ	3908	-04.60	15.50	034 12 05.88N	118 25 14.59W	343	16.17	053	097	177			
A135	01:12:35	N194SJ	3917	-04.36	15.48	034 12 00.96N	118 24 58.22W	344	16.08	052	096	216			
A136	01:12:40	N194SJ	3926	-04.13	15.46	034 11 56.45N	118 24 42.03W	345	16.00	051	095	170			
A137	01:12:44	N194SJ	3936	-03.87	15.44	034 11 51.75N	118 24 24.23W	346	15.92	050	094	232			
A138	01:12:44	N194SJ	3935	-03.84	15.24	034 11 39.75N	118 24 25.99W	346	15.72	000	173	232			
A139	01:12:49	N194SJ	3943	-03.68	15.41	034 11 46.89N	118 24 11.90W	347	15.84	050	044	164			
A140	01:12:54	N194SJ	3952	-03.46	15.40	034 11 43.05N	118 23 56.15W	347	15.78	050	092	163			
A141	01:12:58	N194SJ	3960	-03.26	15.39	034 11 39.69N	118 23 42.24W	348	15.73	050	092	180			
A142	01:13:03	N194SJ	3970	-03.01	15.40	034 11 36.63N	118 23 24.91W	349	15.69	050	088	176			
A143	01:13:08	N194SJ	3978	-02.82	15.41	034 11 34.75N	118 23 11.06W	350	15.67	049	085	139			
A144	01:13:12	N194SJ	3986	-02.63	15.45	034 11 33.93N	118 22 57.15W	350	15.67	049	080	173			
A145	01:13:17	N194SJ	3995	-02.42	15.47	034 11 32.24N	118 22 41.58W	351	15.66	050	083	156			
A146	01:13:21	N194SJ	4003	-02.23	15.50	034 11 31.11N	118 22 27.70W	352	15.66	050	081	173			
A147	01:13:26	N194SJ	4012	-02.01	15.53	034 11 29.68N	118 22 12.12W	353	15.66	050	082	156			
A148	01:13:31	N194SJ	4021	-01.80	15.56	034 11 28.07N	118 21 56.56W	353	15.66	050	083	156			
A149	01:13:35	N194SJ	4029	-01.61	15.58	034 11 26.49N	118 21 42.75W	354	15.66	050	084	173			
A150	01:13:40	N194SJ	4039	-01.37	15.60	034 11 24.31N	118 21 25.52W	355	15.66	050	085	173			
A151	01:13:45	N194SJ	4049	-01.13	15.63	034 11 22.51N	118 21 08.22W	356	15.67	050	083	173			
A152	01:13:49	N194SJ	4055	-00.99	15.66	034 11 22.15N	118 20 57.66W	356	15.69	050	078	131			
A153	01:13:54	N194SJ	4066	-00.72	15.68	034 11 19.70N	118 20 38.66W	357	15.70	050	085	191			
A154	01:13:58	N194SJ	4074	-00.53	15.71	034 11 18.50N	118 20 24.68W	358	15.72	050	082	174			
A155	01:14:03	N194SJ	4083	-00.31	15.75	034 11 17.41N	118 20 08.83W	359	15.75	050	081	158			
A156	01:14:08	N194SJ	4093	-00.07	15.77	034 11 15.21N	118 19 51.44W	360	15.77	050	085	175			
A157	01:14:12	N194SJ	0005	00.12	15.80	034 11 14.10N	118 19 37.28W	0	15.80	050	081	176			
A158	01:14:17	N194SJ	0015	00.36	15.83	034 11 12.06N	118 19 19.72W	1	15.83	050	084	176			
A159	01:14:22	N194SJ	0024	00.58	15.85	034 11 10.21N	118 19 03.86W	2	15.86	050	084	159			
A160	01:14:26	N194SJ	0034	00.83	15.87	034 11 07.73N	118 18 46.32W	3	15.89	050	086	221			
A161	01:14:31	N194SJ	0041	01.00	15.91	034 11 07.52N	118 18 33.40W	4	15.94	050	077	128			
A162	01:14:35	N194SJ	0052	01.27	15.92	034 11 04.17N	118 18 14.18W	5	15.97	050	088	244			
A163	01:14:40	N194SJ	0061	01.50	15.95	034 11 02.67N	118 17 57.86W	5	16.02	050	082	163			
A164	01:14:45	N194SJ	0070	01.72	15.97	034 11 00.40N	118 17 41.77W	6	16.06	050	086	162			
A165	01:14:49	N194SJ	0079	01.95	15.99	034 10 58.49N	118 17 25.42W	7	16.11	050	084	205			
A166	01:14:54	N194SJ	0087	02.15	15.99	034 10 55.26N	118 17 11.54W	8	16.13	050	092	143			
A167	01:14:59	N194SJ	0098	02.41	15.88	034 10 45.19N	118 16 55.24W	9	16.06	050	113	202			
A168	01:15:03	N194SJ	0105	02.56	15.76	034 10 36.18N	118 16 46.33W	9	15.97	050	127	175			
A169	01:15:08	N194SJ	0115	02.77	15.56	034 10 21.49N	118 16 34.85W	10	15.81	050	133	210			
A170	01:15:12	N194SJ	0119	02.84	15.37	034 10 09.26N	118 16 33.88W	10	15.63	050	162	184			
A171	01:15:17	N194SJ	0124	02.91	15.13	034 09 54.28N	118 16 32.76W	11	15.41	050	162	180			
A172	01:15:22	N194SJ	0126	02.91	14.89	034 09 40.05N	118 16 37.08W	11	15.17	050	180	176			
A173	01:15:26	N194SJ	0128	02.91	14.65	034 09 26.39N	118 16 41.19W	11	14.94	050	180	211			
A174	01:15:31	N194SJ	0128	02.87	14.42	034 09 13.39N	118 16 48.66W	11	14.70	050	191	173			
A175	01:15:35	N194SJ	0125	02.75	14.19	034 09 01.54N	118 17 00.80W	11	14.45	050	206	233			

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A176	01:15:40	N194SJ	0122	02.65	13.98	034 08 51.26N	118 17 11.88W	11	14.23	049	208	165			
A177	01:15:45	N194SJ	0119	02.54	13.77	034 08 40.36N	118 17 23.14W	10	14.00	049	206	172			
A178	01:15:49	N194SJ	0115	02.42	13.57	034 08 30.46N	118 17 35.36W	10	13.78	049	211	212			
A179	01:15:54	N194SJ	0112	02.32	13.36	034 08 19.96N	118 17 46.05W	10	13.56	048	206	165			
A180	01:15:58	N194SJ	0108	02.20	13.16	034 08 09.88N	118 17 57.96W	9	13.34	047	210	211			
A181	01:16:03	N194SJ	0104	02.09	12.97	034 08 00.82N	118 18 09.14W	9	13.14	046	211	155			
A182	01:16:08	N194SJ	0102	02.02	12.78	034 07 50.73N	118 18 17.52W	9	12.94	044	200	147			
A183	01:16:12	N194SJ	0095	01.85	12.59	034 07 41.77N	118 18 32.90W	8	12.72	043	221	234			
A184	01:16:17	N194SJ	0091	01.74	12.40	034 07 32.44N	118 18 43.60W	8	12.52	041	209	154			
A185	01:16:21	N194SJ	0086	01.62	12.20	034 07 22.88N	118 18 55.69W	8	12.31	040	212	208			
A186	01:16:26	N194SJ	0083	01.54	12.01	034 07 12.96N	118 19 04.81W	7	12.11	038	203	150			
A187	01:16:31	N194SJ	0078	01.42	11.82	034 07 03.78N	118 19 16.28W	7	11.91	037	212	159			
A188	01:16:35	N194SJ	0075	01.35	11.64	034 06 54.29N	118 19 24.87W	7	11.72	036	203	178			
A189	01:16:40	N194SJ	0069	01.22	11.47	034 06 45.85N	118 19 36.95W	6	11.53	034	216	157			
A190	01:16:45	N194SJ	0063	01.09	11.29	034 06 37.29N	118 19 48.81W	6	11.34	033	215	156			
A191	01:16:49	N194SJ	0059	01.01	11.12	034 06 29.06N	118 19 57.64W	5	11.17	032	207	165			
A192	01:16:54	N194SJ	0055	00.93	10.98	034 06 21.90N	118 20 05.87W	5	11.02	031	209	119			
A193	01:16:58	N194SJ	0050	00.83	10.81	034 06 13.29N	118 20 15.81W	4	10.84	030	210	179			
A194	01:17:03	N194SJ	0046	00.75	10.67	034 06 06.57N	118 20 23.55W	4	10.70	030	209	111			
A195	01:17:07	N194SJ	0040	00.65	10.53	034 05 59.81N	118 20 33.64W	4	10.55	030	217	161			
A196	01:17:12	N194SJ	0036	00.57	10.39	034 05 52.95N	118 20 41.13W	3	10.41	030	208	111			
A197	01:17:17	N194SJ	0032	00.50	10.26	034 05 46.05N	118 20 48.51W	3	10.27	030	207	111			
A198	01:17:21	N194SJ	0027	00.42	10.12	034 05 39.35N	118 20 56.86W	2	10.13	030	212	144			
A199	01:17:26	N194SJ	0023	00.35	09.97	034 05 31.76N	118 21 04.20W	2	09.98	030	205	117			
A200	01:17:31	N194SJ	0018	00.27	09.83	034 05 24.35N	118 21 12.48W	2	09.83	030	209	121			
A201	01:17:35	N194SJ	0012	00.18	09.69	034 05 17.69N	118 21 21.45W	1	09.69	030	214	150			
A202	01:17:40	N194SJ	0008	00.12	09.55	034 05 10.50N	118 21 28.21W	1	09.55	029	204	109			
A203	01:17:44	N194SJ	4095	-00.01	09.39	034 05 03.16N	118 21 40.28W	360	09.39	028	220	186			
A204	01:17:49	N194SJ	4090	-00.09	09.25	034 04 56.02N	118 21 47.73W	359	09.25	028	207	113			
A205	01:17:54	N194SJ	4082	-00.20	09.11	034 04 49.40N	118 21 57.99W	359	09.11	027	218	129			
A206	01:17:58	N194SJ	4075	-00.29	08.97	034 04 42.47N	118 22 07.07W	358	08.97	027	213	153			
A207	01:18:03	N194SJ	4069	-00.37	08.82	034 04 35.27N	118 22 14.98W	358	08.83	026	208	117			
A208	01:18:07	N194SJ	4061	-00.47	08.68	034 04 28.31N	118 22 24.62W	357	08.69	025	215	159			
A209	01:18:12	N194SJ	4053	-00.56	08.54	034 04 21.83N	118 22 33.90W	356	08.56	024	216	121			
A210	01:18:17	N194SJ	4045	-00.66	08.41	034 04 15.82N	118 22 42.85W	356	08.44	023	217	114			
A211	01:18:21	N194SJ	4036	-00.76	08.27	034 04 09.24N	118 22 52.62W	355	08.31	022	217	157			
A212	01:18:26	N194SJ	4030	-00.83	08.16	034 04 03.39N	118 22 59.25W	354	08.20	020	209	096			
A213	01:18:30	N194SJ	4020	-00.94	08.03	034 03 57.28N	118 23 09.40W	353	08.08	019	220	156			
A214	01:18:35	N194SJ	4010	-01.05	07.90	034 03 51.63N	118 23 19.22W	352	07.97	018	221	119			
A215	01:18:40	N194SJ	4000	-01.15	07.76	034 03 44.65N	118 23 28.96W	352	07.84	017	215	128			
A216	01:18:44	N194SJ	3989	-01.26	07.63	034 03 38.79N	118 23 39.15W	351	07.73	016	221	154			
A217	01:18:49	N194SJ	3981	-01.34	07.49	034 03 32.04N	118 23 46.61W	350	07.61	015	208	110			
A218	01:18:54	N194SJ	3970	-01.44	07.36	034 03 25.92N	118 23 56.31W	349	07.50	015	219	121			
A219	01:18:58	N194SJ	3959	-01.54	07.23	034 03 19.66N	118 24 05.75W	348	07.39	014	217	150			
A220	01:19:03	N194SJ	3950	-01.62	07.10	034 03 13.24N	118 24 13.32W	347	07.28	014	210	108			
A221	01:19:07	N194SJ	3940	-01.70	06.97	034 03 06.74N	118 24 21.46W	346	07.17	013	212	141			
A222	01:19:12	N194SJ	3931	-01.77	06.85	034 03 01.34N	118 24 28.58W	345	07.08	013	213	096			
A223	01:19:16	N194SJ	3920	-01.87	06.75	034 02 56.43N	118 24 37.09W	345	07.00	012	221	129			
A224	01:19:21	N194SJ	3910	-01.94	06.63	034 02 50.83N	118 24 44.61W	344	06.91	011	214	100			
A225	01:19:26	N194SJ	3900	-02.02	06.50	034 02 44.54N	118 24 51.88W	343	06.81	010	210	105			
A226	01:19:30	N194SJ	3888	-02.11	06.38	034 02 38.68N	118 25 00.46W	342	06.72	010	216	138			
A227	01:19:35	N194SJ	3877	-02.19	06.26	034 02 32.74N	118 25 08.06W	341	06.63	009	213	104			

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A228	01:19:40	N194SJ	3865	-02.27	06.14	034 02 27.25N	118 25 16.23W	340	06.55	008	217	105			
A229	01:19:44	N194SJ	3854	-02.34	06.01	034 02 20.52N	118 25 23.27W	339	06.45	008	207	134			
A230	01:19:49	N194SJ	3842	-02.42	05.90	034 02 15.41N	118 25 31.06W	338	06.38	007	218	099			
A231	01:19:53	N194SJ	3829	-02.51	05.78	034 02 09.50N	118 25 39.22W	337	06.30	006	215	135			
A232	01:19:58	N194SJ	3818	-02.57	05.66	034 02 03.69N	118 25 45.76W	336	06.22	006	209	095			
A233	01:20:02	N194SJ	3805	-02.65	05.54	034 01 57.58N	118 25 53.43W	334	06.14	006	212	132			
A234	01:20:07	N194SJ	3796	-02.69	05.42	034 01 51.25N	118 25 58.05W	334	06.05	005	197	089			
A235	01:20:12	N194SJ	3778	-02.80	05.27	034 01 44.32N	118 26 08.44W	332	05.97	005	217	133			
A236	01:20:16	N194SJ	3760	-02.91	05.14	034 01 38.35N	118 26 18.83W	330	05.91	004	221	157			
A237	01:20:21	N194SJ	3751	-02.95	05.04	034 01 32.98N	118 26 23.09W	330	05.84	003	199	077			
A238	01:20:25	N194SJ	3734	-03.04	04.90	034 01 26.31N	118 26 32.09W	328	05.77	003	214	150			