

New Mexico State Police
Santa Fe, NM
June 9, 2009
CEN09TA348

**NATIONAL TRANSPORTATION SAFETY BOARD
WASHINGTON, D.C.**

ATTACHMENT 1

Timeline of Events

4 Pages

Date

6/9/2009

Local Time	Local Time	Zulu Time	Zulu Time	Event
1715	5:15 PM	2315	11:15 PM	SAR Incident Commander (IC) Cascio contacted by NMSP Sgt. Henderson about a developing mission with lost hikers in the Santa Fe Wilderness
1754	5:54 PM	2354	11:54 PM	Sgt. Henderson called NMSP pilot Tingwell asked about flying a SAR mission near Lake Katherine and Santa Fe Baldy because "the search and rescue guys were just wondering;" "they were seeing if we could get aircraft just because they have to hike in there, there are no roads to get up into those mountains;" Tingwell declined due to winds but would go up "at first light"
1800	6:00 PM	0000	12:00 AM	Pilot Tingwell called NMSP dispatch and stated "I checked the winds and I could probably go up and take a look for 'em"
1806	6:06 PM	0006	12:06 AM	NMSP dispatch connected with NMSP Officer Cox to "go up and take a look"
1818	6:18 PM	0018	12:18 AM	Officer Cox enroute to airport to meet pilot Tingwell
1846	6:46 PM	0046	12:46 AM	IC Cascio departed Eldorado, NM for incident base (IB) being set up at overlook near Ski Santa Fe Resort
1939	7:39 PM	0139	1:39 AM	IC Cascio arrived at IB
1940	7:40 PM	0140	1:40 AM	IC Cascio called NMSP dispatch; NMSP helicopter (N606SP) searching for lost hikers at 35 48.85N, 105 44.55W
2014	8:14 PM	0214	2:14 AM	SAR log noted that helicopter had subject in sight
2019	8:19 PM	0219	2:19 AM	SUNSET
2034	8:34 PM	0234	2:34 AM	Pilot Tingwell called NMSP dispatch; helicopter had landed "on top of hill;" pilot was to begin walking down hill toward suspected location of hiker; IC Cascio called to get update and helicopter coordinates; Pilot did not have his current coordinates
2100	9:00 PM	0300	3:00 AM	SAR log noted that NMSP dispatch hears pilot on hiker's cell phone
2120	9:20 PM	0320	3:20 AM	Teams #1 and #2 departed IB up Windsor trail to Puerto De Nambe saddle to establish radio relay and find male hiker to inform him of helicopter's search for female hiker
2128	9:28 PM	0328	3:28 AM	Officer Cox called NMSP dispatch; helicopter returning with female; [helicopter heard starting]
2135	9:35 PM	0335	3:35 AM	HELICOPTER ACCIDENT
2140	9:40 PM	0340	3:40 AM	SAR log noted that "606 hit mountain"; Teams #1 and #2 instructed to stay together and proceed to LKP of helicopter/hiker
2145	9:45 PM	0345	3:45 AM	SAR log noted that National Guard helicopter was enroute to search for helicopter

Date

6/10/2009

Local Time	Local Time	Zulu Time	Zulu Time	Event
2240	10:40 PM	0440	4:40 AM	NMSP (G. Williams) called to AFRCC to report N606SP had crashed in Pecos Wilderness area; LKP was 35° 48.82N, 105° 44.54W; National Guard was assisting with SAR; CAP assistance requested at first light in not found by then; while speaking AFRCC received a 406 MHz ELT signal from N606SP (see next entry); AFRCC advised to call back if further assistance was needed
2240	10:40 PM	0440	4:40 AM	AFRCC received the first ELT position for the accident helicopter at 35°50.6' N, 105°45.0' W (approximately 0.3 miles NW of wreckage)
2315	11:15 PM	0515	5:15 AM	AFRCC received a second ELT position for the accident helicopter at 35°50.2' N, 105°46.1' W [approximately 1.25 miles WSW of wreckage]; this information was passed to G. Williams of NMSP at 0535Z; teams #1 and #2 diverted to this location a short time later
0000	12:00 AM	0600	6:00 AM	Teams #3 and #4 departed IB to search west side of Baldy because it "seemed to match up better to coordinates" [i.e. AFRCC position #2]
0045	12:45 AM	0645	6:45 AM	Team #6 (AMRC - R. Jorgenson, M. Anderson, J. Anderson, M. Olah) departed up Windsor trail with equipment for Teams #1 and #2
0210	2:10 AM	0810	8:10 AM	Team #5 departed up Windsor trail (not heard from again - suspected returned to base and left search)
0225	2:25 AM	0825	8:25 AM	Team #7 departed up Windsor trail (returned by 0945 local)
0255	2:55 AM	0855	8:55 AM	Team #1 at top of Baldy; weather was 50 ft. visibility with sleet and snow
0340	3:40 AM	0940	9:40 AM	NM National Guard (NMNG) helicopters were returning to base for fuel; CAP flights planned for 1st light
0500	5:00 AM	1100	11:00 AM	SAR briefing noted that two NMNG helicopters were searching along with 1 Albuquerque PD helicopter and 7 field teams
0504	5:04 AM	1104	11:04 AM	AFRCC contacted 84th RADES at Hill AFB who began work on a radar track for N606SP
0514	5:14 AM	1114	11:14 AM	Team #1 arrived at 'ping' location - no crash site
0533	5:33 AM	1133	11:33 AM	Two NMNG helicopters were back in Santa Fe and would not be launching due to weather, "state" helicopter picked up a weak ELT signal 300 meters west of first AFRCC ELT position; ground teams were enroute to that location
0548	5:48 AM	1148	11:48 AM	SUNRISE
0656	6:56 AM	1256	12:56 PM	NM CAP reported that the weather was "terrible" and would continue through morning; deploying 3 ground search teams ASAP

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0725	7:25 AM	1325	1:25 PM	AFRCC received a third ELT position for the accident helicopter (35°50.3' N, 105°46.9' W); (approximately 2 miles WSW of crash site)
0745	7:45 AM	1345	1:45 PM	Teams #3 and #4 ordered to "Aspen Ranch" to be picked up by ground vehicles there
0900	9:00 AM	1500	3:00 PM	NMNG helicopters #454 and #573 sent to AFRCC position #3 to start search
0921	9:21 AM	1521	3:21 PM	Two members of Team #6 (R. Jorgenson, M. Anderson) returned to IB and left search; remaining Teams members (M. Olah, J. Anderson) renamed Team #6A
0945	9:45 AM	1545	3:45 PM	NMNG helicopters sent back to Santa Fe due to weather
1014	10:14 AM	1614	4:14 PM	84th RADES contacted AFRCC to obtain more accurate accident time; AFRCC responded that 0440Z was the time of AFRCC's first log entry; 0348Z was discussed as a more likely accident time
1025	10:25 AM	1625	4:25 PM	Team #9 (NMSP horse team) departed up Windsor trail to Lake Katherine to search for lost male hiker
~1045	~10:45 AM	~1645	~4:45 PM	Team #10 (AMRC personnel) departed IB to set up advanced base camp (ABC) near Puerto Nambe; [while enroute team encountered M. Olah (Team 6A) who informed them that Officer Cox had been located - see 1155 entry]
1045	10:45 AM	1645	4:45 PM	Team #8 (NM National Guard personnel) departed up Windsor trail to Lake Katherine to make contact with lost male hiker; met Team #10 at ABC
1045	10:45 AM	1645	4:45 PM	NMNG helicopter launched to resume abandoned search from 0945
1046	10:46 AM	1646	4:46 PM	FAA (Olsen) called AFRCC and asked for approximate crash time; AFRCC passed approximately 0348Z; FAA was performing radar analysis
~1050	~10:50 AM	~1650	~4:50 PM	Team #12 (Albuquerque Police horse team) departed up Windsor trail to ABC
1059	10:59 AM	1659	4:59 PM	AFRCC provided searchers with radar analysis from 84th RADES; last radar position was 35°50.14' N, 105°44.54' W at 0335Z at an altitude of 12,200 ft.; data showed that helicopter dropped 400 ft. in 12 seconds; RADES felt this was "primary area"
1100	11:00 AM	1700	5:00 PM	NMSP (through NM CAP) made request to AFRCC for a MC-130 out of Kirtland AFB
1100	11:00 AM	1700	5:00 PM	Log noted that weather was still foggy/cloudy but improving
~1130	~11:30 AM	~1730	~5:30 PM	Teams #13 and #14 departed up Windsor trail to Puerto Nambe with DF equipment and supplies
1150	11:50 AM	1750	5:50 PM	Kirtland agreed to launch a MC-130H to DF the ELT signal; NMNG HH60s could not launch due to weather

Date

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1155	11:55 AM	1755	5:55 PM	M. Olah (Team #6A) reported that he and J. Anderson had located Officer Cox north of "Hidden Lake"; [J. Anderson stayed with Officer Cox while M. Olah hiked to top of ridge to make a radio position report; M. Olah then continued to ABC believing that a helicopter would extract both Officer Cox and J. Anderson]
1216	12:16 PM	1816	6:16 PM	FAA confirmed RADES data that last radar hit for N606AP was 35°50.14' N, 105°44.54' W
1230	12:30 PM	1830	6:30 PM	Officer Cox was being hoisted into NMNG helicopter 573 to be taken to St. Vincent's Hospital, J. Anderson (Team 6A) was not hoisted due to wind/turbulence
1300	1:00 PM	1900	7:00 PM	NMNG helicopter 573 on ground at St. Vincent's
~1345	~1:45 PM	~1945	~7:45 PM	Team #9 (NMSP horse team) located male hiker near Puerto Nambe saddle
1351	1:51 PM	1951	7:51 PM	MC-130H returned to base; when arrived in area were told Officer Cox had been found and two other occupants were deceased
1430	2:30 PM	2030	8:30 PM	Team #8 renamed Team 'B' at ABC and continued to ridgeline where they met Team #9 who had located male hiker; Team B escorted male hiker to ABC; team 'A' was formed from 4 personnel of original teams #10, #13, and #14; team 'A' was retasked with the primary objective of finding J. Anderson ('missing' team #6A member) and the aircraft wreckage; remaining team members staffed ABC
1430	2:30 PM	2030	8:30 PM	M. Olah (Team #6A) arrived at IB
1558	3:58 PM	2158	9:58 PM	NMNG helicopter 454 and CAP 30 airborne
1705	5:05 PM	2305	11:05 PM	NMNG helicopter 454 "on station and tracking ELT signal"
1710	5:10 PM	2310	11:10 PM	Team B was enroute to IB with male hiker
1745	5:45 PM	2345	11:45 PM	Team #9 returned to IB
1816	6:16 PM	0016	12:16 AM	Team A (see 1430 entry) reached N606SP crash site
~1820	~6:20 PM	~0020	~12:20 AM	J. Anderson (Team 6A) arrived back at ABC
1949	7:49 PM	0149	1:49 AM	Team A had not located victims; reported seeing clothing on a ridge but it was too steep to evaluate
2007	8:07 PM	0207	2:07 AM	Team A picked up on ridge by NMNG helicopter 454 and taken to airport for debriefing
2019	8:19 PM	0219	2:19 AM	SUNSET
2020	8:20 PM	0220	2:20 AM	J. Anderson being escorted out of ABC
0000	12:00 AM	0600	6:00 AM	J. Anderson arrives at IB

6/11/2009