

## FLIGHT SUMMARY REPORT

**Flight Number:** 02-906  
**Calendar/Julian Date:** 20 October 2001 • 293  
**Sensor Package:** Wild-Heerbrugg RC-30  
MODIS/ASTER Airborne Simulator (MASTER)  
Airborne Visible/Infrared Imaging Spectrometer  
(AVIRIS)  
**Area(s) Covered:** Big Island of Hawaii  
**Investigator(s):** Asner, U of Colorado; Kahle, JPL      **Aircraft #:** 809

### SENSOR DATA

<b>Accession #:</b>	05656	-----	-----
<b>Sensor ID #:</b>	132	124	099
<b>Sensor Type:</b>	RC-30	MASTER	AVIRIS
<b>Focal Length:</b>	12" 303.12 mm	-----	-----
<b>Film Type:</b>	Aerochrome IR SO-134	-----	-----
<b>Filtration:</b>	Wratten 12	-----	-----
<b>Spectral Band:</b>	510-900nm	-----	-----
<b>f Stop:</b>	11	-----	-----
<b>Shutter Speed:</b>	1/350	-----	-----
<b># of Frames:</b>	138	-----	-----
<b>% Overlap:</b>	70%	-----	-----
<b>Quality:</b>	Excellent	-----	-----
<b>Remarks:</b>	Add 6 seconds for correct UTC		

**CAMERA FLIGHT LINE DATA**  
**FLIGHT NO. 02-906**

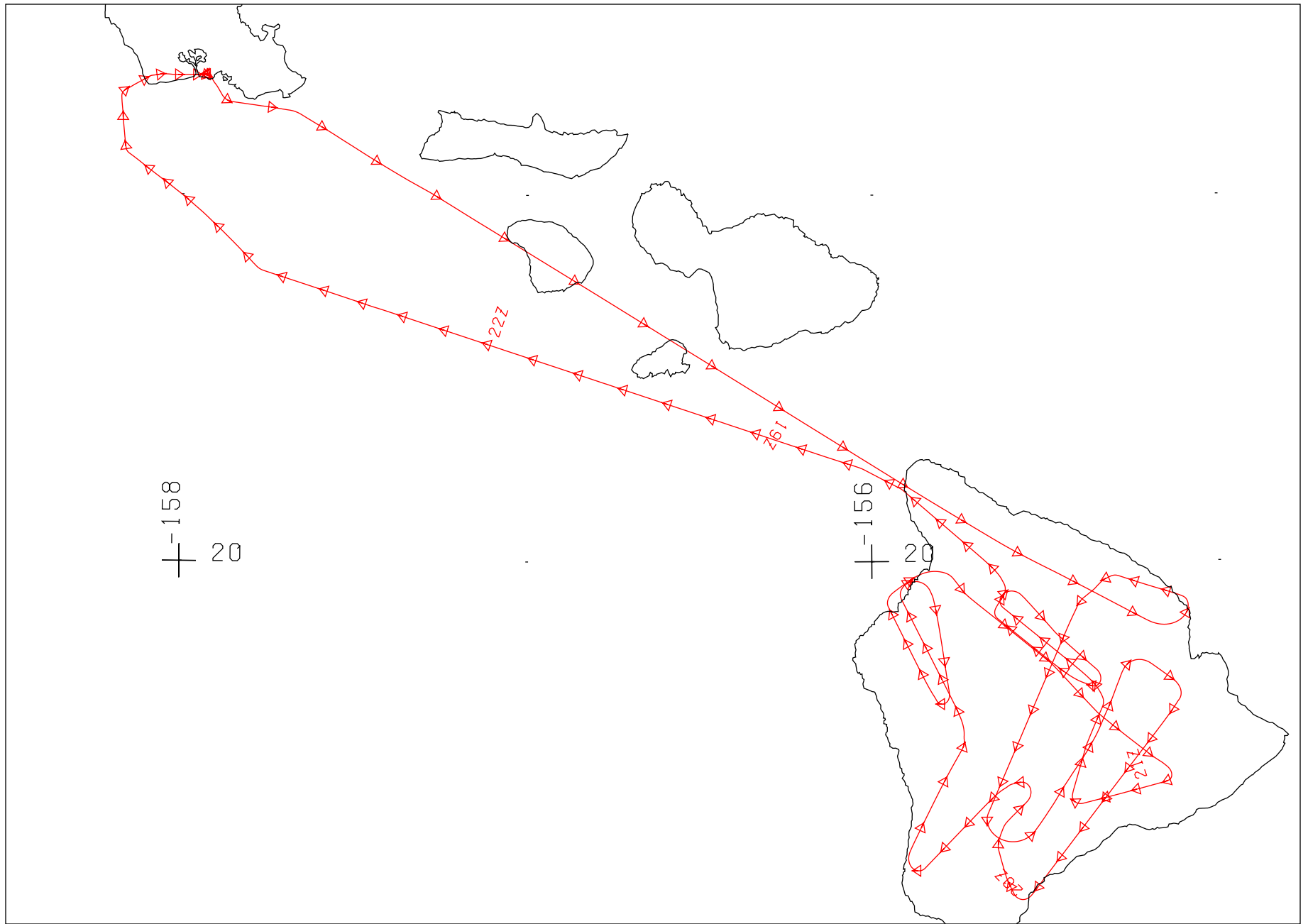
Accession #      05656  
Sensor #          132

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	1530-1553	19:21:47	19:32:46	45200/13780	10% cumulus, frame 1530; 10-30% cumulus, frames 1534-1539; frame 1530 oblique
C - D	1554-1576	19:48:46	19:59:09	35000/10670	50-90% cumulus, frames 1554-1559; 10-20% cumulus, frames 1560-1561; 10-30% cumulus, frames 1563-1576
E - F	1577-1589	20:08:47	20:14:26	35000/10670	10-80% cumulus, frames 1584-1589
G - H	1590-1602	20:24:09	20:29:49	35000/10670	Clear
I - J	1603-1615	20:37:23	20:43:04	35000/10670	10-30% cumulus, frames 1603-1606; 10% cumulus, frames 1608-1609; frame 1603 oblique
K - L	1616-1625	20:59:26	21:03:42	35000/10670	40-80% cumulus, frames 1616-1618; 10-30% cumulus, frames 1619-1620; 30% cumulus, frames 1624-1625
M - N	1626-1638	21:11:45	21:17:27	35000/10670	30-100% cumulus, frames 1626-1619; 10% cumulus, frame 1630
O - P	1639-1651	21:25:11	21:30:53	34900/10640	50-100% cumulus, frames 1639-1643; minor-20% cumulus frames 1644-1646
Q - R	1652-1667	21:33:44	21:40:52	34900/10640	40-70% cumulus, frames 1652-1653; 10-30% cumulus, frames 1654-1662; minor cumulus, frames 1666-1667; frame 1652 oblique

MODIS/ASTER AIRBORNE SIMULATOR (MASTER) FLIGHT LINE INFORMATION FOR 20 Oct 2001  
 NASA FLIGHT NUMBER 02-906-00

FILE	SITE	LINE	RUN	START OF FLIGHT LINE			END OF FLIGHT LINE			FLIGHT DATA				
				TIME HH:MM:SS	LAT DEG	LON DEG	TIME HH:MM:SS	LAT DEG	LON DEG	SCAN LINES	SOLAR ZEN AZIM		HEAD DEG	ALT M (GPS)
1	0	0	1	18:52:46	20.833	-156.975	19:12:15	19.838	-155.208	7293	108.1	265.4	126.55	13389
2	0	0	1	19:21:56	19.878	-155.406	19:33:15	19.313	-155.668	4247	113.9	267.1	219.21	13116
3	0	0	1	19:35:47	19.264	-155.534	19:41:50	19.621	-155.311	2269	116.6	267.9	18.52	12062
4	0	0	1	19:47:00	19.612	-155.123	19:59:49	19.091	-155.541	4817	120.1	268.8	225.60	10048
5	0	0	1	20:08:14	19.382	-155.616	20:14:46	19.164	-155.850	2454	124.4	270.0	237.27	10030
6	0	0	1	20:16:18	19.210	-155.894	20:21:04	19.487	-155.743	1793	126.1	270.7	19.35	10052
7	0	0	1	20:21:55	19.529	-155.737	20:30:12	19.897	-155.915	3108	127.8	271.6	338.36	10050
8	0	0	1	20:32:27	19.911	-155.829	20:36:15	19.644	-155.778	1428	129.8	272.4	175.79	10029
9	0	0	1	20:37:29	19.628	-155.818	20:43:29	19.875	-155.952	2250	131.2	273.0	325.72	10058
10	0	0	1	20:47:11	19.911	-155.730	20:51:12	19.722	-155.486	1508	133.3	273.9	141.20	10021
11	0	0	1	20:59:40	19.388	-155.186	21:04:20	19.337	-155.395	1750	136.3	274.7	260.83	10044
12	0	0	1	21:09:57	19.627	-155.336	21:17:48	19.872	-155.621	2947	139.0	276.4	316.23	10011
13	0	0	1	21:24:55	19.660	-155.377	21:31:32	19.843	-155.637	2484	142.4	278.2	298.78	10037
14	0	0	1	21:33:45	19.952	-155.628	21:41:37	20.195	-155.911	2950	144.5	279.9	315.56	10033
15	0	0	1	21:43:52	20.254	-156.028	21:54:05	20.464	-156.698	3830	147.1	282.0	291.61	10046

NUMBER OF FILES FOR THIS FLIGHT = 15  
 TOTAL NUMBER OF SCAN LINES = 45128  
 DATE THESE FILES WERE PROCESSED = 01-Mar-2002  
 DATE THIS LIST WAS CREATED = Mon Mar 4 09:32:45 PST 2002  
 GRANULE VERSION = 1



FLIGHT 02-906

20 OCTOBER 2001

A/C 809

RC-30 / MASTER / AVIRIS

Flight 02-906

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RC-30

