FLIGHT SUMMARY REPORT

Flight Number:	01-110		
Calendar/Julian Date:	02 August 2001 • 214		
Sensor Package:	Wild-Heerbrugg RC-10 Airborne Visible and Infrared Imaging Spectrometer (AVIRIS) Modis Airborne Simulator (MAS) Airborne Multi-angle Spectro Radiometer (AirMISR)		
Area(s) Covered:	Mid-Atlantic Coast		
Investigator(s):	Kahn/Diner, NASA-JPL; Gower, U of Wisconsin	**Aircraft #:**	806

SENSOR DATA

Accession #:	05632	-----	-----	-----
Sensor ID #:	076	099	108	120
Sensor Type:	RC-10	AVIRIS	MAS50	AirMISR
Focal Length:	12” 304.89 mm	-----	-----	-----
Film Type:	Aerochrome IR SO-134	-----	-----	-----
Filtration:	Wratten 12	-----	-----	-----
Spectral Band:	510-900nm	-----	-----	-----
f Stop:	11	-----	-----	-----
Shutter Speed:	1/300	-----	-----	-----
# of Frames:	74	-----	-----	-----
% Overlap:	60	-----	-----	-----
Quality:	Excellent	-----	-----	-----
Remarks:	Subtract 43 seconds for correct UTC			

CAMERA FLIGHT LINE DATA
FLIGHT NO. 01-110

Accession # 05632

Sensor # 076

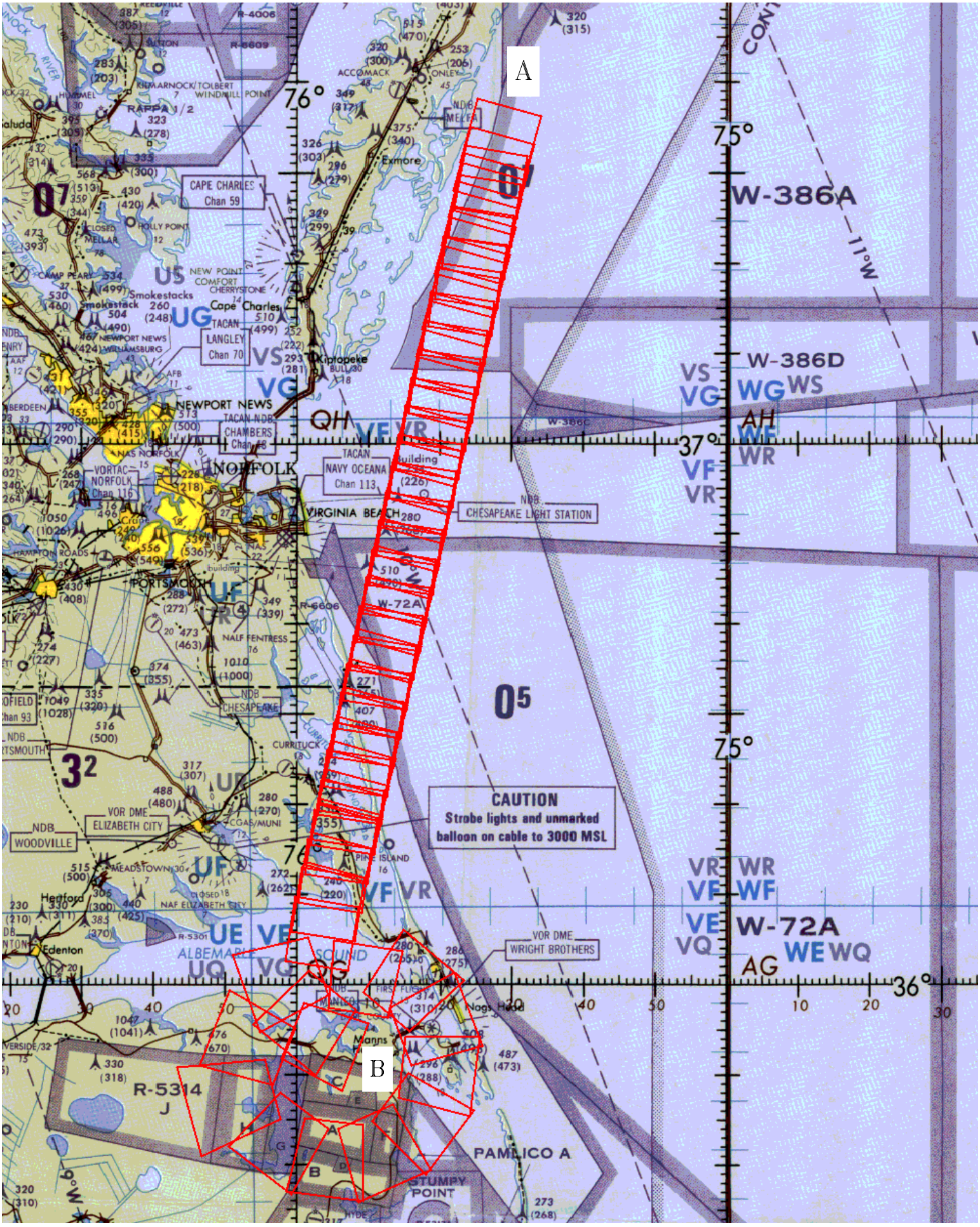
Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	7593-7619	15:46:36	15:59:04	63800/19450	Minor-10% cumulus, frames 7615-7619
B	7620-7632	15:59:33	16:05:18	63900/19480	Oblique frames; 10-60% cumulus
B - A	7633-7659	16:08:37	16:20:41	64400/19630	Minor-10% cumulus, frames 7633-7637
C - D	7660-7666	18:21:30	18:23:58	65400/19940	40-50% cumulus

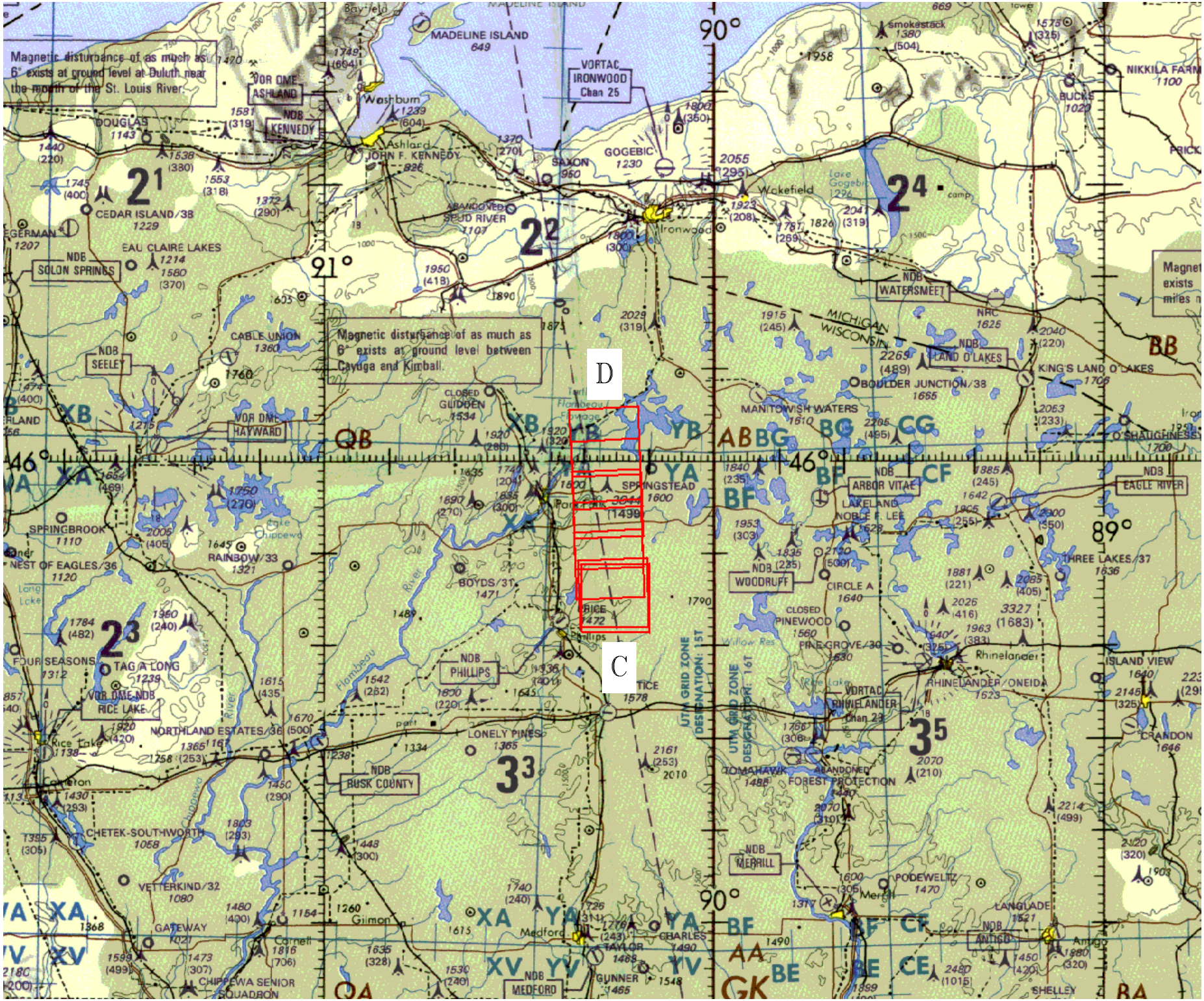
MODIS AIRBORNE SIMULATOR (MAS) FLIGHT LINE INFORMATION FOR 02 Aug 2001
FLIGHT 01-110

	START OF FLIGHT LINE						END OF FLIGHT LINE					
LINE	TIME HH:MM:SS	LAT DEG	LON DEG	SOLAR ZEN	SOLAR AZIM	START HEADING	TIME HH:MM:SS	LAT DEG	LON DEG	SOLAR ZEN	SOLAR AZIM	SCAN LINES
1	15:33:02	38.928	-75.334	50.6	261.1	183.25	15:58:22	38.913	-75.336	50.6	261.1	9461
2	16:04:42	35.922	-75.983	56.6	268.5	16.17	16:20:08	35.936	-75.979	56.6	268.5	5763
3	16:21:16	37.689	-75.570	59.9	269.9	309.58	16:48:03	37.699	-75.586	59.9	269.9	10000
4	16:48:03	39.617	-78.729	65.1	273.0	306.63	17:05:08	39.626	-78.746	65.1	273.0	6375
5	17:05:39	40.375	-81.116	68.4	275.4	297.08	17:32:27	40.382	-81.133	68.4	275.4	10000
6	17:32:27	42.039	-84.635	73.2	279.0	301.17	17:36:42	42.047	-84.653	73.2	279.0	1587
7	17:36:47	42.301	-85.230	73.9	279.6	304.69	18:03:35	42.311	-85.246	73.9	279.6	10000
8	18:03:35	44.519	-88.145	78.2	283.5	314.98	18:19:58	44.529	-88.160	78.3	283.5	6109
9	18:20:43	45.739	-90.259	80.9	286.2	357.15	18:23:31	45.753	-90.260	80.9	286.2	1051
10	18:24:35	46.123	-90.398	81.4	286.7	250.39	18:30:46	46.118	-90.418	81.4	286.8	2305
11	18:30:48	45.913	-91.352	82.5	287.8	252.87	18:57:36	45.909	-91.372	82.5	287.9	10000
12	18:57:36	44.891	-95.415	87.2	292.6	247.45	19:24:24	44.886	-95.435	87.2	292.6	10000
13	19:24:24	43.690	-99.423	92.1	297.2	244.51	19:51:12	43.684	-99.443	92.1	297.3	10000
14	19:51:12	42.288	-103.312	97.0	301.9	239.37	20:18:00	42.280	-103.330	97.0	301.9	10000
15	20:18:00	40.722	-106.985	102.2	306.5	237.02	20:44:48	40.714	-107.002	102.3	306.5	10000
16	20:44:48	39.046	-110.481	107.3	311.3	234.90	20:48:40	39.038	-110.498	107.3	311.3	1445

NUMBER OF FILES FOR THIS FLIGHT = 16
TOTAL NUMBER OF SCAN LINES = 114096
DATE THESE FILES WERE PROCESSED = 05-Oct-2001
DATE THIS LIST WAS CREATED = Mon Oct 8 15:31:06 PDT 2001
GRANULE VERSION = 1

FLIGHT 01-110 2 AUGUST 2001 A/C 806 RC-10 / AVIRIS / MAS50 / AIRMISR


A
B
CAUTION
Strobe lights and unmarked balloon on cable to 3000 MSL
W-386A
W-386D
W-72A
R-5314
PAMLICO A
CAPE CHARLES Chan 59
TACAN LANGLEY Chan 70
TACAN NAVY OCEANA Chan 113
NDB CHESAPEAKE LIGHT STATION
VOR DME ELIZABETH CITY
NDB WOODVILLE
VOR DME WRIGHT BROTHERS
NEWPORT NEWS
NORFOLK
VIRGINIA BEACH
PORTSMOUTH
Kiptopeke
Cape Charles
Smokestacks
Exmore
Edenton
Hertford
Manns
Nags Head
STUMPY POINT
76°
75°
37°
36°
11°W


D
C
Magnetic disturbance of as much as 6° exists at ground level at Duluth near the mouth of the St. Louis River.
Magnetic disturbance of as much as 6° exists at ground level between Cayuga and Kimball.
MADELINE ISLAND
649
VORTAC IRONWOOD Chan 25
VOR DME ASHLAND
NDB KENNEDY
DOUGLAS
Washburn
Ashland
JOHN F. KENNEDY
SAXON
GOGEBIC
Wakefield
Ironwood
NIKKILA FARM
BUCKS
CEDAR ISLAND/38
EAU CLAIRE LAKES
NDB SOLON SPRINGS
ABANDONED SPUD RIVER
NDB WATERSMEET
MICHIGAN WISCONSIN
NRC
NDB LAND O'LAKES
KING'S LAND O'LAKES
BOULDER JUNCTION/38
MANITOWISH WATERS
CABLE UNION
NDB SEELEY
VOR DME HAYWARD
CLOSED GUIDDEN
SPRINGSTEAD
ARBOR VITAE
NDB EAGLE RIVER
LAKELAND NOBLE F. LEE
SPRINGBROOK
NEST OF EAGLES/36
RAINBOW/33
BOYDS/31
WOODRUFF
CIRCLE A
THREE LAKES/37
CLOSED PINEWOOD
PINE GROVE/30
RICE
Phillips
NDB PHILLIPS
FOUR SEASONS
TAG A LONG
VOR DME NDB RICE LAKE
Rice Lake
NORTHLAND ESTATES/36
LONELY PINES
Rhinelander
VORTAC RHINELANDER Chan 23
RHINELANDER/ONEIDA
ISLAND VIEW
CRANDON
TOMAHAWK
ABANDONED FOREST PROTECTION
NDB RUSK COUNTY
CHETEK-SOUTHWORTH
VETTERKIND/32
GATEWAY
Gilmon
Medford
CHARLES TAYLOR
NDB MERRILL
PODEWELTZ
LANGLADE
NDB ANTIGO
Antigo
SHELLEY
GUNNER
NDB MEDFORD
CHIPPEWA SENIOR SQUADRON
UTM GRID ZONE DESIGNATION: 15T
UTM GRID ZONE DESIGNATION: 16T
21
22
23
24
33
35
90°
91°
46°
89°