



FLIGHT 13-969 23 SEPTEMBER 2013 A/C B09 SEAC4RS (EMAS)
 LAMBERT CONFORMAL PROJECTION: SP1 = 24.9 SP2 = 48.2 CM = -100.3 ROTATED BY 0.0
 15:30:00 TO 23:25:00 UT SCALE 1:1.69E+07 TIME TICK EVERY 20.00 MINUTES

MODIS AIRBORNE SIMULATOR (MAS) FLIGHT LINE INFORMATION FOR 23 Sep 2013
NASA FLIGHT NUMBER 13-969

FLTL	START OF FLIGHT LINE					END OF FLIGHT LINE					FLIGHT DATA		
	TIME HH:MM:SS	LAT DEG	LON DEG	SOLAR ZEN AZIM		TIME HH:MM:SS	LAT DEG	LON DEG	SOLAR ZEN AZIM		SCAN LINES	HEAD DEG	ALT M (MSL)
1	15:50:44	28.951	-94.445	44.1	124.9	15:56:11	29.410	-94.741	43.6	126.4	1962	330.9	15840
2	15:56:41	29.456	-94.765	43.5	126.5	16:06:12	30.251	-95.336	42.8	129.1	3423	330.6	17562
3	16:06:22	30.266	-95.347	42.8	129.1	16:30:38	32.558	-96.891	41.5	136.3	8740	332.8	18792
4	16:34:38	32.899	-97.226	41.4	137.4	16:41:47	33.687	-97.436	41.1	140.0	2579	347.8	19582
5	16:41:48	33.687	-97.436	41.1	140.0	16:57:55	35.327	-97.895	40.6	145.8	5804	342.3	16446
6	16:57:55	35.328	-97.895	40.6	145.8	17:21:12	37.723	-98.540	40.6	154.5	8382	343.0	16347
7	17:21:12	37.723	-98.540	40.6	154.5	17:36:25	39.256	-98.973	41.0	160.1	5481	345.5	16243
8	17:36:25	39.256	-98.973	41.0	160.1	18:07:56	42.541	-99.966	42.9	171.2	11347	344.4	16433
9	18:07:57	42.542	-99.966	42.9	171.2	18:24:20	44.234	-100.520	44.3	176.5	5902	344.1	16377
10	18:24:20	44.234	-100.520	44.3	176.5	18:53:40	47.220	-101.578	47.4	185.2	10561	344.7	16344
11	18:53:40	47.220	-101.578	47.4	185.2	19:10:07	48.912	-102.239	49.4	189.6	5921	344.1	16298
12	19:10:07	48.913	-102.239	49.4	189.6	19:35:43	51.497	-103.341	52.7	195.9	9214	342.3	16163
13	19:35:49	51.507	-103.346	52.7	195.9	19:41:05	52.050	-103.753	53.3	196.9	1901	337.9	19353
14	19:46:06	51.767	-104.130	53.2	198.1	20:24:59	48.423	-108.079	51.5	206.1	14000	213.6	19170
15	20:25:00	48.423	-108.079	51.5	206.1	21:01:55	45.154	-111.550	50.7	214.4	13293	217.2	19179
16	21:02:05	45.138	-111.564	50.7	214.4	21:36:28	41.718	-113.651	51.1	223.6	12378	208.7	19189
17	21:36:34	41.708	-113.657	51.1	223.7	21:40:26	41.342	-113.892	51.2	224.7	1390	207.4	19194
18	21:43:03	41.097	-114.071	51.3	225.3	21:51:00	40.307	-114.484	51.6	227.5	2866	203.0	19203
19	21:51:50	40.229	-114.531	51.6	227.7	21:58:54	39.519	-114.829	52.0	229.6	2542	200.9	19194
20	22:04:28	39.020	-115.187	52.3	231.0	22:17:26	38.119	-116.526	52.9	233.4	4669	228.4	19205
21	22:17:57	38.091	-116.587	52.9	233.5	22:21:17	37.966	-117.017	53.1	234.0	1200	248.2	19207
22	22:21:40	37.946	-117.063	53.1	234.0	22:25:13	37.688	-117.429	53.3	234.7	1280	231.1	19200
23	22:26:08	37.602	-117.491	53.4	234.9	22:30:00	37.188	-117.597	53.7	235.9	1390	192.8	19205

NUMBER OF FILES FOR THIS FLIGHT = 23
TOTAL NUMBER OF SCAN LINES = 136225
DATE THESE FILES WERE PROCESSED = 15-Oct-2014
DATE THIS LIST WAS CREATED = Thu Oct 16 06:03:35 PDT 2014
GRANULE VERSION = 1

GLOBAL ATTRIBUTES

Attribute Name	Description
CreationDate	15-Oct-2014 14:04:51
AircraftPlatform	ER2 809 (809)
NavFormatCode	POS (C-3)
LocationCode	Global Pos (GPS)
AltitudeCode	Global Pos (GPS)
NavDataSource	Applanix POSAV 510
NavDataPath	/archive/nav/2013/er2/sbet923.out
GeoLocationProcess	Standard
CalibrationName	SEAC4RS_103113-103113_071813-0
Reference	NCSA HDF Reference Manual, Version 4.1r4, 2000
title	Enhanced MODIS Airborne Simulator (eMAS) Level-1B
ExperimentName	SEAC4RS
FlightNumber	13-969
FlightDate	23 Sep 2013
SiteLineRun	void
GeographicArea	Gulf of Mexico
FlightLineComment	Ascending Profile 49k to 55k
SRF_FTP	ftp://asapdata.arc.nasa.gov/mas/srf/Jul_13/
SRF_dataset	/calibration/calibrat/eMAS/srf/Jul_13/
MGeoControlFilePath	NONE
FlightComment	SEAC4RS Science Mission #17 / Transit / Railroad Valley
FlightLineNumber	1
TotalFlightLines	23
DataUsersGuideSource	http://mas.arc.nasa.gov/
SoftwareVersion	Level-1b Version 11.2.4 UR
CalibrationVersion	Version 1.0 Calibration
data_set	EMAS SEAC4RS
day_night_flag	D
granule_version	1
metadata_version	1.0.0
data_quality	Good
Other_Aircraft_Sensors	SEAC4RS
Principal_Investigator	Platnick (GSFC)
Navigational_Precision	Double

lat_UL	29.01140
lon_UL	-94.32113
lat_UR	28.89549
lon_UR	-94.57018
lat_LL	29.48226
lon_LL	-94.60600
lat_LR	29.34431
lon_LR	-94.87869
begin_date	20130923 155045
end_date	20130923 155612
RunTime	18,660 ms, or 9 ms/scanline
CompletionDate	15-Oct-2014 14:05:15
producer_granule_id	EMASL1B_13969_01_20130923_1550_1556_V01.hdf
