

NLAPS CORRECTION PROCESSING REPORT

NLAPS Version:	4_1_11e8	Priority:	3
Work Order:	011011003014300004	Sensor:	ETM+
Satellite:	Landsat-7	Sensor Mode:	N/A
Camera Number:	N/A		
Input Data Ident:	/diskIngest1/temp/011011003014300004/L72EDC1900223		
Input Media Type:	Disk	File Number:	N/A
Orbit Number:	87464		
Processing Level:	Precision Geocorrection	Resampling:	CC
Map Projection:	SPCS	Zone:	4602
Earth Ellipsoid:	NAD83	Product Orient.:	Map North
Projection Params:	0.0000000000000000e+00 0.0000000000000000e+00 0.0000000000000000e+00 0.0000000000000000e+00 0.0000000000000000e+00 0.0000000000000000e+00 0.0000000000000000e+00 0.0000000000000000e+00 0.0000000000000000e+00 0.0000000000000000e+00 0.0000000000000000e+00 0.0000000000000000e+00 0.0000000000000000e+00 0.0000000000000000e+00 0.0000000000000000e+00		
Line Spacing:	030.0	Pixel Spacing:	030.0
Path/Strip no.:	044	Start Row no.:	026.0
		End Row no.:	N/A
Image Lines:	7151	Image Pixels:	7511
Image Orientation:	0.00 deg from N	Output Bands:	123456789
Viewing Angle:	0.06 deg		
Scene center lat:	48.870 deg	Scene center long:	-118.232 deg
Sun Elevation:	52.43 deg	Sun Azimuth:	145.37 deg
Scene center date:	2000 08 10	Scene center time:	18:33:58.2783
Output Media:	Disk	Output Product Id:	N/A
Product Format:	NDF	Interleaving :	BSQ
Catalogued:	FALSE		
Completion date:	2001 10 12	Completion time:	12:13:54
Termination Status: Successful Completion			

DETAILED PROCESSING RESULTS

MODEL REFINEMENT STATISTICS

Number of CPs in model: 13

Error	Mean (m)	RMS (m)	Std Dev (m)
Along Track	-0.79	6.95	6.91
Across Track	-0.42	3.88	3.86
Height	0.02	0.21	0.21
Combined	0.90	7.97	7.92

Num	Mark	Kind	Location		Height	Residuals			Comb
			Lat	Long		Along	Across	Height	
8134	Auto	RCP	48.35	-117.30	625.00	3.53	2.46	0.31	4.31
8213	Auto	RCP	48.26	-118.90	796.67	-3.33	1.21	-0.06	3.54
8010	Auto	RCP	48.58	-119.53	325.83	4.62	0.82	-0.11	4.69
24982	Auto	SCP	49.36	-117.31	1941.92	1.62	-1.50	-0.12	2.21
26553	Auto	RCP	49.66	-119.01	1254.22	-6.57	0.02	0.01	6.57
8015	Auto	RCP	48.84	-117.29	841.03	3.66	-1.44	-0.16	3.93
7848	Auto	RCP	48.90	-118.58	548.00	-12.15	4.96	-0.20	13.13
8142	Auto	SCP	48.58	-117.95	629.67	-0.19	0.33	0.01	0.38
7824	Auto	RCP	49.37	-118.47	640.08	2.46	-12.59	0.62	12.84
26551	Man	RCP	49.25	-119.24	1467.22	-3.29	0.00	0.00	3.29
26556	Man	RCP	49.10	-117.71	402.45	0.45	-0.04	0.00	0.45
8357	Man	SCP	48.20	-117.63	629.79	-13.93	0.11	0.01	13.93
7992	Man	RCP	48.63	-119.15	775.72	12.87	0.16	-0.02	12.87

RADIOMETRIC CORRECTION

Algorithm: NASA

Band	Ref Detector	DN to Radiance		Default Abs Calib?
		gain	offset	
1	15	0.775686	-6.20000	FALSE
2	12	0.795686	-6.39999	FALSE
3	8	0.619216	-5.00000	FALSE
4	7	0.965490	-5.10001	FALSE
5	14	0.125725	-0.99999	FALSE
6	8	0.066823	0.000000	FALSE
7	10	0.043726	-0.35000	FALSE
8	27	0.971765	-4.70000	FALSE
9	8	0.037059	3.200000	FALSE

DEM PROCESSING

Elevation Correction Applied: Fine DEM
 LineSpacing: 3.000000000000000e+01
 LineSpacingUnits: meters
 PixelSpacing: 3.000000000000000e+01
 PixelSpacingUnits: meters

DEM Files Used

washcanus_elev2

GEOMETRIC QUALITY ASSESSMENT

Number of QA CPs: 9

Error	Mean (m)	RMS (m)	Std Dev (m)
Along Track	-7.76	12.94	10.35
Across Track	5.89	9.28	7.18
Height	0.00	0.00	0.00
Combined	9.74	15.93	12.60

Num	Mark	Kind	Location		Height	Residuals			
			Lat	Long		Along	Across	Height	Comb
8141	Man	SCP	48.54	-117.61	942.66	10.20	9.82	0.00	14.16
8030	Man	RCP	48.76	-119.42	284.37	-10.22	13.19	0.00	16.69
8029	Man	RCP	48.56	-118.84	1167.31	-10.20	9.80	0.00	14.15
8012	Man	RCP	48.85	-118.71	1048.51	-9.79	-10.23	0.00	14.16
7962	Man	SCP	49.20	-118.29	461.61	-20.03	9.98	0.00	22.38
7938	Man	RCP	49.00	-117.00	1942.20	-9.80	10.21	0.00	14.15
7937	Man	RCP	48.85	-117.88	492.89	-10.01	0.17	0.00	10.02
26555	Man	RCP	49.44	-117.52	457.00	10.02	0.01	0.00	10.02
26552	Man	RCP	49.43	-119.10	775.34	-20.02	10.01	0.00	22.39

RADIOMETRIC QUALITY ASSESSMENT

NOTE:

Mean, Std.Dev, Striping are in DN's (Digital Numbers).

Band	Chip Location	Chip Size	Mean	Std Dev	Striping
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	Line	Pixel	Lines	Pixels			
1	1197.60	1268.00	128	128	58.70	1.226	0.2081
1	2394.20	2535.00	128	128	69.26	2.336	0.1831
1	3590.80	3802.00	128	128	75.53	4.028	0.2459
1	4787.40	5069.00	128	128	76.53	5.210	0.3537
2	1197.60	1268.00	128	128	42.24	1.462	0.2277
2	2394.20	2535.00	128	128	54.62	3.434	0.2060
2	3590.80	3802.00	128	128	55.14	6.854	0.3078
2	4787.40	5069.00	128	128	59.88	5.421	0.4100
3	1197.60	1268.00	128	128	31.90	2.504	0.3900
3	2394.20	2535.00	128	128	49.46	7.199	0.2082
3	3590.80	3802.00	128	128	48.92	7.463	0.3322
3	4787.40	5069.00	128	128	50.69	6.884	0.5685
4	1197.60	1268.00	128	128	49.88	2.387	0.1675
4	2394.20	2535.00	128	128	57.67	3.526	0.2114
4	3590.80	3802.00	128	128	44.44	6.986	0.3627
4	4787.40	5069.00	128	128	61.38	3.207	0.1892
5	1197.60	1268.00	128	128	43.54	3.423	0.3872
5	2394.20	2535.00	128	128	61.93	13.726	1.1162
5	3590.80	3802.00	128	128	51.38	10.770	0.7423
5	4787.40	5069.00	128	128	49.35	11.853	0.2994
6	599.20	634.40	128	128	128.90	2.300	0.1157
6	1197.40	1267.80	128	128	141.01	8.908	0.5432
6	1795.60	1901.20	128	128	138.37	2.880	0.1247
6	2393.80	2534.60	128	128	124.92	5.025	0.0909
7	1197.60	1268.00	128	128	26.05	2.420	0.2579
7	2394.20	2535.00	128	128	39.39	13.146	0.8535
7	3590.80	3802.00	128	128	30.48	5.978	0.6353
7	4787.40	5069.00	128	128	32.21	6.887	0.1484
8	2394.40	2536.80	128	128	43.04	1.160	0.1652
8	4787.80	5072.60	128	128	53.19	2.244	0.2773
8	7181.20	7608.40	128	128	33.99	14.108	0.9090
8	9574.60	10144.20	128	128	63.48	4.872	0.2679
9	599.20	634.40	128	128	146.36	4.165	0.2156
9	1197.40	1267.80	128	128	168.22	16.069	0.9849
9	1795.60	1901.20	128	128	163.42	5.177	0.2308
9	2393.80	2534.60	128	128	139.25	9.058	0.1451

PRODUCT FORMATTING

Product Scene Center Location (lat/long) : 48.870 -118.232
Product Scene Center Date/Time (yyyy mm dd): 2000 8 10 18:33:58.2783

Product Extent:

Lat: 49.85	-----	Lat: 49.79
Long: -119.75		Long: -116.63
North: 502920.00		North: 502920.00
East: 553860.00		East: 779160.00

|
|
Lat: 47.93
Long: -119.78
North: 288420.00
East: 553860.00

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|
Lat: 47.87
Long: -116.77
North: 288420.00
East: 779160.00

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EXECUTION INFORMATION

Stage	Start	End	CPU
Ingest	Fri Oct 12 10:34:58 2001	Fri Oct 12 10:37:30 2001	133.99
ModelRefiner	Fri Oct 12 10:37:36 2001	Fri Oct 12 11:01:39 2001	50.11
DemIngest	Fri Oct 12 11:01:52 2001	Fri Oct 12 11:02:31 2001	24.50
WarpDem	Fri Oct 12 11:02:32 2001	Fri Oct 12 11:02:55 2001	32.94
ImCorr	Fri Oct 12 11:02:58 2001	Fri Oct 12 11:15:29 2001	1579.03
RadQa	Fri Oct 12 11:15:31 2001	Fri Oct 12 11:15:32 2001	0.59
GeoQa	Fri Oct 12 11:15:34 2001	Fri Oct 12 12:10:40 2001	10.84
Output	Fri Oct 12 12:10:43 2001	Fri Oct 12 12:13:43 2001	19.47
Catalog	Fri Oct 12 12:13:44 2001	Fri Oct 12 12:13:46 2001	0.53
		-----	1852.00