

NLAPS CORRECTION PROCESSING REPORT

NLAPS Version:	4_1_11e8	Priority:	3
Work Order:	011011003018400001	Sensor:	ETM+
Satellite:	Landsat-7	Sensor Mode:	N/A
Camera Number:	N/A		
Input Data Ident:	/diskIngest3/temp/011011003018400001/L71EDC1800189		
Input Media Type:	Disk	File Number:	N/A
Orbit Number:	86969		
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.:	046	Start Row no.:	028.0
		End Row no.:	N/A
Image Lines:	7324	Image Pixels:	7711
Image Orientation:	0.00 deg from N	Output Bands:	123456789
Viewing Angle:	0.05 deg		
Scene center lat:	46.031 deg	Scene center long:	-122.432 deg
Sun Elevation:	60.71 deg	Sun Azimuth:	135.51 deg
Scene center date:	2000 07 07	Scene center time:	18:47:36.9393
Output Media:	Disk	Output Product Id:	N/A
Product Format:	NDF	Interleaving :	BSQ
Catalogued:	FALSE		
Completion date:	2001 10 24	Completion time:	8:55:43
Termination Status: Successful Completion			

===== DETAILED PROCESSING RESULTS =====

MODEL REFINEMENT STATISTICS -----

Number of CPs in model: 12

Error	Mean (m)	RMS (m)	Std Dev (m)
-----	-----	-----	-----
Along Track	0.63	7.38	7.35
Across Track	-0.16	7.46	7.46
Height	-0.01	0.67	0.67
Combined	0.65	10.52	10.50

Num	Mark	Kind	Location		Height	Residuals			Comb
			Lat	Long		Along	Across	Height	
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
9292	Auto	RCP	45.97	-122.34	122.00	7.21	1.04	0.02	7.28
9682	Auto	RCP	45.12	-121.77	988.16	5.62	8.88	1.05	10.56
8832	Auto	RCP	46.73	-122.96	61.00	4.44	6.73	-0.63	8.09
9683	Auto	SCP	45.20	-122.46	261.37	5.41	7.76	0.26	9.46
9397	Auto	SCP	45.50	-123.60	137.15	-0.06	-4.37	0.51	4.40
8993	Auto	RCP	46.53	-122.23	282.28	-4.85	3.10	0.00	5.76
8731	Auto	RCP	46.59	-121.56	866.00	9.27	-3.36	-0.26	9.86
9102	Auto	SCP	46.15	-123.37	1.00	5.55	-5.88	0.68	8.12
9392	Auto	RCP	45.71	-123.09	305.29	-10.30	-10.24	0.66	14.54
9290	Man	RCP	45.57	-122.30	18.28	1.54	-12.32	-0.43	12.42
26515	Man	RCP	46.10	-121.61	955.55	-16.51	-4.63	-0.42	17.15
9293	Man	RCP	45.84	-123.61	122.00	0.22	11.41	-1.50	11.51

===== RADIOMETRIC CORRECTION -----

Algorithm: NASA

Band	Ref	DN to Radiance		Default
	Detector	gain	offset	Abs Calib?
-----	-----	-----	-----	-----
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: 11

Error	Mean (m)	RMS (m)	Std Dev (m)
Along Track	-1.31	8.40	8.30
Across Track	1.05	7.80	7.73
Height	0.00	0.00	0.00
Combined	1.68	11.46	11.34

Num	Mark	Kind	Location			Residuals			
			Lat	Long	Height	Along	Across	Height	Comb
9550	Man	RCP	45.35	-121.95	426.00	0.00	0.00	0.00	0.00
9396	Man	SCP	45.91	-121.75	1121.65	10.07	-3.67	0.00	10.72
9295	Man	RCP	45.83	-123.06	328.74	-15.01	-0.01	0.00	15.01
9291	Man	RCP	45.44	-123.12	61.00	0.00	15.00	0.00	15.00
9101	Man	SCP	46.55	-123.41	243.82	-1.69	12.24	0.00	12.36
9096	Man	RCP	46.03	-123.37	183.00	-0.01	0.00	0.00	0.01
9001	Man	RCP	46.53	-122.01	259.07	-15.00	-0.01	0.00	15.00
8989	Man	RCP	46.06	-122.25	217.40	0.02	-15.00	0.00	15.00
8988	Man	RCP	46.23	-121.28	849.43	-9.06	-3.61	0.00	9.75
8827	Man	SCP	46.79	-122.72	134.42	6.27	6.58	0.00	9.09
8724	Man	RCP	46.59	-122.93	122.00	10.00	0.02	0.00	10.00

RADIOMETRIC QUALITY ASSESSMENT

NOTE:

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

Band	Chip Line	Location Pixel	Chip Lines	Size Pixels	Mean	Std Dev	Striping
1	1197.60	1268.00	128	128	76.10	3.448	0.1638
1	2394.20	2535.00	128	128	67.18	1.301	0.0819
1	3590.80	3802.00	128	128	64.00	2.825	0.1226
1	4787.40	5069.00	128	128	57.81	0.724	0.1440
2	1197.60	1268.00	128	128	62.43	3.876	0.1413
2	2394.20	2535.00	128	128	55.76	1.872	0.0700
2	3590.80	3802.00	128	128	50.78	4.509	0.1668
2	4787.40	5069.00	128	128	44.14	1.411	0.1123
3	1197.60	1268.00	128	128	49.91	6.744	0.2281
3	2394.20	2535.00	128	128	42.37	3.065	0.2456
3	3590.80	3802.00	128	128	35.56	4.652	0.1672
3	4787.40	5069.00	128	128	30.71	1.321	0.0947
4	1197.60	1268.00	128	128	106.13	4.219	0.2334
4	2394.20	2535.00	128	128	97.46	5.580	0.3218
4	3590.80	3802.00	128	128	94.93	3.785	0.1938
4	4787.40	5069.00	128	128	72.30	8.112	0.3227
5	1197.60	1268.00	128	128	91.27	11.153	0.6338
5	2394.20	2535.00	128	128	79.71	7.589	0.4283
5	3590.80	3802.00	128	128	54.78	4.223	0.1925
5	4787.40	5069.00	128	128	44.56	2.748	0.1841
6	599.20	634.40	128	128	132.73	2.215	0.1638
6	1197.40	1267.80	128	128	126.16	1.771	0.1089
6	1795.60	1901.20	128	128	124.22	1.002	0.0952
6	2393.80	2534.60	128	128	124.09	1.092	0.0995
7	1197.60	1268.00	128	128	42.48	7.910	0.4500
7	2394.20	2535.00	128	128	42.68	4.563	0.3456
7	3590.80	3802.00	128	128	27.07	1.776	0.0729
7	4787.40	5069.00	128	128	22.53	1.845	0.0723
8	2394.40	2536.80	128	128	72.50	3.530	0.1737
8	4787.80	5072.60	128	128	68.65	3.601	0.1978
8	7181.20	7608.40	128	128	62.91	4.339	0.1576
8	9574.60	10144.20	128	128	47.06	3.436	0.1682
9	599.20	634.40	128	128	153.29	3.965	0.2905
9	1197.40	1267.80	128	128	141.43	3.195	0.1599
9	1795.60	1901.20	128	128	137.96	1.797	0.1607
9	2393.80	2534.60	128	128	137.73	1.978	0.1679

PRODUCT FORMATTING

Product Scene Center Location (lat/long) : 46.031 -122.432
Product Scene Center Date/Time (yyyy mm dd): 2000 7 7 18:47:36.9393

Product Extent:

Lat: 46.98	-----	Lat: 47.04
Long: -123.99		Long: -120.95
North: 189240.00		North: 189240.00
East: 234780.00		East: 466080.00

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|
|
Lat: 45.01
Long: -123.86
North: -30450.00
East: 234780.00

|
|
|
Lat: 45.06
Long: -120.93
North: -30450.00
East: 466080.00

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EXECUTION INFORMATION

Stage	Start	End	CPU
Ingest	Tue Oct 23 15:41:48 2001	Tue Oct 23 15:43:35 2001	96.76
ModelRefiner	Tue Oct 23 15:43:41 2001	Tue Oct 23 15:49:34 2001	38.26
DemIngest	Tue Oct 23 15:49:48 2001	Tue Oct 23 15:50:32 2001	26.21
WarpDem	Tue Oct 23 15:50:34 2001	Tue Oct 23 15:50:52 2001	33.04
ImCorr	Tue Oct 23 15:50:55 2001	Tue Oct 23 16:04:09 2001	1617.46
RadQa	Tue Oct 23 16:04:10 2001	Tue Oct 23 16:04:12 2001	0.62
GeoQa	Tue Oct 23 16:04:14 2001	Wed Oct 24 08:54:43 2001	12.70
Output	Wed Oct 24 08:54:45 2001	Wed Oct 24 08:55:32 2001	17.91
Catalog	Wed Oct 24 08:55:34 2001	Wed Oct 24 08:55:35 2001	0.51
		-----	1843.47