

NLAPS CORRECTION PROCESSING REPORT

NLAPS Version:	4_1_11e8	Priority:	3
Work Order:	011011003018400002	Sensor:	ETM+
Satellite:	Landsat-7	Sensor Mode:	N/A
Camera Number:	N/A		
Input Data Ident:	/diskIngest1/temp/011011003018400002/L72EDC1900212		
Input Media Type:	Disk	File Number:	N/A
Orbit Number:	87304		
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.:	047	Start Row no.:	026.0
		End Row no.:	N/A
Image Lines:	7408	Image Pixels:	7786
Image Orientation:	0.00 deg from N	Output Bands:	123456789
Viewing Angle:	0.06 deg		
Scene center lat:	48.867 deg	Scene center long:	-122.858 deg
Sun Elevation:	55.07 deg	Sun Azimuth:	142.96 deg
Scene center date:	2000 07 30	Scene center time:	18:52:37.4083
Output Media:	Disk	Output Product Id:	N/A
Product Format:	NDF	Interleaving :	BSQ
Catalogued:	FALSE		
Completion date:	2001 10 25	Completion time:	11:49:53
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	0.55	7.16	7.14
Across Track	-0.13	8.24	8.24
Height	-0.03	0.57	0.57
Combined	0.57	10.93	10.92

Num	Mark	Kind	Location			Residuals			
			Lat	Long	Height	Along	Across	Height	Comb
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
26574	Auto	RCP	49.47	-121.34	1218.05	-4.54	-0.85	-0.11	4.62
26750	Auto	RCP	49.27	-123.11	0.00	-0.94	-9.72	0.46	9.77
7942	Man	RCP	48.97	-121.96	1402.31	1.01	0.70	0.07	1.23
8364	Man	SCP	48.13	-122.01	64.95	-8.67	-0.08	0.01	8.67
8005	Man	RCP	48.82	-122.60	6.00	5.34	-8.36	-0.25	9.93
7994	Man	RCP	48.30	-122.53	122.00	-0.14	12.80	0.78	12.83
7838	Man	RCP	49.37	-121.76	0.00	15.11	-4.53	-0.45	15.78
26747	Man	RCP	49.06	-123.70	0.00	-7.06	5.35	-0.55	8.87
8159	Man	SCP	48.33	-123.55	2.73	5.57	-14.53	0.79	15.58
8150	Man	RCP	48.68	-123.23	33.59	-10.09	-3.14	0.11	10.57
7797	Man	SCP	49.44	-122.52	30.66	2.57	10.52	0.11	10.83
26748	Man	RCP	49.46	-123.81	0.00	8.48	10.24	-1.37	13.37

===== 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: 9

Error	Mean (m)	RMS (m)	Std Dev (m)
Along Track	5.34	8.82	7.02
Across Track	8.77	11.92	8.07
Height	0.00	0.00	0.00
Combined	10.27	14.83	10.70

Num	Mark	Kind	Location			Residuals			
			Lat	Long	Height	Along	Across	Height	Comb
8156	Man	SCP	48.80	-123.77	105.19	-0.30	15.01	0.00	15.01
8155	Man	SCP	48.64	-124.08	730.08	-0.31	15.01	0.00	15.01
8143	Man	RCP	48.45	-122.23	59.00	15.01	0.01	0.00	15.01
26749	Man	RCP	49.37	-123.46	0.00	-0.42	20.02	0.00	20.02
7837	Man	RCP	49.26	-121.82	20.00	15.32	14.72	0.00	21.24
7822	Man	RCP	48.96	-122.60	32.54	15.02	-0.31	0.00	15.02
26767	Man	RCP	49.55	-122.75	1173.81	0.00	-0.01	0.00	0.01

26771	Man	RCP	48.04	-122.18	3.33	0.02	-0.02	0.00	0.03
26773	Man	RCP	48.62	-122.86	0.04	3.67	14.53	0.00	14.99

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RADIOMETRIC QUALITY ASSESSMENT

NOTE:

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

Band	Chip Line	Location Pixel	Chip Size Lines	Pixel	Mean	Std Dev	Striping
1	1197.60	1268.00	128	128	63.65	1.511	0.1149
1	2394.20	2535.00	128	128	78.37	3.301	0.3797
1	3590.80	3802.00	128	128	68.86	1.189	0.0353
1	4787.40	5069.00	128	128	67.89	1.457	0.1883
2	1197.60	1268.00	128	128	42.48	1.167	0.1175
2	2394.20	2535.00	128	128	64.72	2.450	0.4579
2	3590.80	3802.00	128	128	43.81	1.182	0.0668
2	4787.40	5069.00	128	128	53.65	2.980	0.1558
3	1197.60	1268.00	128	128	31.11	1.860	0.1942
3	2394.20	2535.00	128	128	56.08	3.700	0.4597
3	3590.80	3802.00	128	128	30.01	1.353	0.1152
3	4787.40	5069.00	128	128	42.83	3.735	0.1978
4	1197.60	1268.00	128	128	49.55	13.132	0.5222
4	2394.20	2535.00	128	128	84.30	9.827	0.5260
4	3590.80	3802.00	128	128	34.17	16.319	0.8634
4	4787.40	5069.00	128	128	89.90	2.718	0.3258
5	1197.60	1268.00	128	128	27.98	8.188	0.2824
5	2394.20	2535.00	128	128	71.28	19.249	1.1400
5	3590.80	3802.00	128	128	32.38	5.305	0.2843
5	4787.40	5069.00	128	128	72.67	7.598	0.2569
6	599.20	634.40	128	128	123.11	2.385	0.0794
6	1197.40	1267.80	128	128	133.72	1.430	0.0925
6	1795.60	1901.20	128	128	118.11	2.733	0.1373
6	2393.80	2534.60	128	128	130.52	1.455	0.1099
7	1197.60	1268.00	128	128	18.72	2.976	0.1318
7	2394.20	2535.00	128	128	45.97	8.024	0.3768
7	3590.80	3802.00	128	128	18.05	1.827	0.0873
7	4787.40	5069.00	128	128	36.80	5.256	0.1246
8	2394.40	2536.80	128	128	27.85	6.975	0.2880
8	4787.80	5072.60	128	128	63.21	3.044	0.1841
8	7181.20	7608.40	128	128	17.10	0.279	0.0629
8	9574.60	10144.20	128	128	56.77	4.821	0.2227
9	599.20	634.40	128	128	135.99	4.225	0.1338
9	1197.40	1267.80	128	128	155.00	2.535	0.1880
9	1795.60	1901.20	128	128	126.90	4.945	0.2279

9 2393.80 2534.60 128 128 149.28 2.583 0.1542

PRODUCT FORMATTING

Product Scene Center Location (lat/long) : 48.867 -122.858
Product Scene Center Date/Time (yyyy mm dd): 2000 7 30 18:52:37.4083

Product Extent:

Lat:	49.82	-----	Lat:	49.89
Long:	-124.52		Long:	-121.28
North:	506580.00		North:	506580.00
East:	210120.00		East:	443670.00
Lat:	47.83		Lat:	47.89
Long:	-124.37		Long:	-121.25
North:	284370.00		North:	284370.00
East:	210120.00	-----	East:	443670.00

EXECUTION INFORMATION

Stage	Start	End	CPU
Ingest	Wed Oct 24 10:18:08 2001	Wed Oct 24 10:19:58 2001	93.26
ModelRefiner	Wed Oct 24 10:20:03 2001	Wed Oct 24 15:23:08 2001	49.24
DemIngest	Wed Oct 24 15:23:21 2001	Wed Oct 24 15:24:08 2001	26.58
WarpDem	Wed Oct 24 15:24:09 2001	Wed Oct 24 15:24:27 2001	33.41
ImCorr	Wed Oct 24 15:24:31 2001	Wed Oct 24 15:37:59 2001	1662.21
RadQa	Wed Oct 24 15:38:01 2001	Wed Oct 24 15:38:02 2001	0.61
GeoQa	Wed Oct 24 15:38:05 2001	Thu Oct 25 11:48:47 2001	10.05
Output	Thu Oct 25 11:48:49 2001	Thu Oct 25 11:49:43 2001	16.89
Catalog	Thu Oct 25 11:49:45 2001	Thu Oct 25 11:49:46 2001	0.50
		-----	1892.75