

NLAPS CORRECTION PROCESSING REPORT

NLAPS Version:	4_1_11e8	Priority:	3
Work Order:	011011003018400005	Sensor:	ETM+
Satellite:	Landsat-7	Sensor Mode:	N/A
Camera Number:	N/A		
Input Data Ident:	/diskIngest1/temp/011011003018400005/L72EDC1800235		
Input Media Type:	Disk	File Number:	N/A
Orbit Number:	87639		
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.:	048	Start Row no.:	026.0
		End Row no.:	N/A
Image Lines:	7494	Image Pixels:	7873
Image Orientation:	0.00 deg from N	Output Bands:	123456789
Viewing Angle:	0.06 deg		
Scene center lat:	48.871 deg	Scene center long:	-124.432 deg
Sun Elevation:	49.09 deg	Sun Azimuth:	148.46 deg
Scene center date:	2000 08 22	Scene center time:	18:58:36.8185
Output Media:	Disk	Output Product Id:	N/A
Product Format:	NDF	Interleaving :	BSQ
Catalogued:	FALSE		
Completion date:	2001 10 25	Completion time:	15:50:30
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	-0.87	7.89	7.85
Across Track	0.41	6.63	6.61
Height	0.07	0.43	0.42
Combined	0.97	10.32	10.27

Num	Mark	Kind	Location			Residuals			
			Lat	Long	Height	Along	Across	Height	Comb
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
8152	Auto	SCP	48.78	-124.48	518.11	8.42	-9.56	0.02	12.74
8372	Auto	SCP	48.10	-123.55	75.82	-13.04	0.42	0.08	13.04
26751	Auto	RCP	49.72	-125.13	146.39	1.50	5.02	-0.58	5.27
8151	Auto	RCP	48.35	-124.66	25.43	8.15	-2.41	0.01	8.50
26755	Auto	RCP	49.48	-124.18	0.00	4.00	15.03	0.00	15.55
8150	Auto	RCP	48.68	-123.23	33.59	-6.77	-1.85	-0.25	7.02
26750	Auto	RCP	49.27	-123.11	0.00	10.59	-2.22	-0.30	10.82
8158	Auto	SCP	48.44	-123.98	525.91	-2.21	8.08	0.56	8.39
26747	Auto	RCP	49.06	-123.70	0.00	4.38	2.20	0.15	4.90
21236	Man	RCP	48.99	-125.41	-0.76	-4.70	-10.00	1.16	11.11
26757	Man	RCP	49.34	-125.03	220.88	-9.30	0.07	0.00	9.30
26758	Man	RCP	49.39	-125.47	324.74	-11.48	0.19	0.00	11.48

===== 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: 12

Error	Mean (m)	RMS (m)	Std Dev (m)
Along Track	-3.65	11.54	10.95
Across Track	2.63	10.22	9.88
Height	0.00	0.00	0.00
Combined	4.50	15.42	14.74

Num	Mark	Kind	Location			Residuals			Comb
			Lat	Long	Height	Along	Across	Height	
8368	Man	RCP	48.13	-123.81	128.24	-15.02	0.30	0.00	15.02
8154	Man	SCP	48.52	-124.38	65.45	-15.01	-15.02	0.00	21.23
8105	Man	RCP	48.83	-124.17	0.00	-15.01	0.29	0.00	15.01
26756	Man	RCP	49.29	-125.27	137.87	0.00	15.02	0.00	15.02
26754	Man	RCP	49.30	-124.27	30.61	0.01	0.00	0.00	0.01
26749	Man	RCP	49.37	-123.46	0.00	0.00	15.03	0.00	15.03
26746	Man	RCP	49.23	-123.99	152.00	2.68	6.92	0.00	7.42

21237	Man	RCP	48.97	-125.19	-7.96	15.34	-14.68	0.00	21.23
21233	Man	RCP	48.85	-125.17	-8.12	-14.99	-0.64	0.00	15.00
26753	Man	RCP	49.62	-125.32	1115.33	-1.81	9.33	0.00	9.51
26752	Man	RCP	49.53	-125.04	812.16	-15.02	0.00	0.00	15.02
26748	Man	RCP	49.46	-123.81	0.00	15.03	15.03	0.00	21.25

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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	55.59	0.616	0.1028
1	2394.20	2535.00	128	128	54.24	1.388	0.0492
1	3590.80	3802.00	128	128	55.41	1.236	0.1544
1	4787.40	5069.00	128	128	56.13	0.327	0.1074
2	1197.60	1268.00	128	128	40.39	1.633	0.1122
2	2394.20	2535.00	128	128	39.57	2.554	0.1752
2	3590.80	3802.00	128	128	40.94	2.504	0.1084
2	4787.40	5069.00	128	128	31.35	0.278	0.0961
3	1197.60	1268.00	128	128	28.49	2.187	0.1637
3	2394.20	2535.00	128	128	29.63	2.674	0.2112
3	3590.80	3802.00	128	128	30.38	3.065	0.1161
3	4787.40	5069.00	128	128	21.23	1.049	0.1670
4	1197.60	1268.00	128	128	63.78	7.159	0.4335
4	2394.20	2535.00	128	128	70.91	5.324	0.6709
4	3590.80	3802.00	128	128	70.46	2.744	0.3091
4	4787.40	5069.00	128	128	8.40	0.590	0.1808
5	1197.60	1268.00	128	128	41.22	4.059	0.2698
5	2394.20	2535.00	128	128	51.54	4.191	0.4457
5	3590.80	3802.00	128	128	45.19	4.648	0.4805
5	4787.40	5069.00	128	128	8.88	0.487	0.0716
6	599.20	634.40	128	128	116.06	0.673	0.0797
6	1197.40	1267.80	128	128	121.85	0.950	0.0912
6	1795.60	1901.20	128	128	125.03	0.849	0.1206
6	2393.80	2534.60	128	128	110.34	0.389	0.0954
7	1197.60	1268.00	128	128	21.87	3.423	0.2305
7	2394.20	2535.00	128	128	25.91	3.766	0.2627
7	3590.80	3802.00	128	128	22.96	3.379	0.2676
7	4787.40	5069.00	128	128	8.63	0.352	0.0611
8	2394.40	2536.80	128	128	51.30	3.064	0.1483
8	4787.80	5072.60	128	128	37.30	5.723	0.1191
8	7181.20	7608.40	128	128	49.55	4.092	0.1527
8	9574.60	10144.20	128	128	12.82	0.253	0.0655

9	599.20	634.40	128	128	123.21	1.192	0.1233
9	1197.40	1267.80	128	128	133.60	1.682	0.1336
9	1795.60	1901.20	128	128	139.35	1.550	0.2139
9	2393.80	2534.60	128	128	113.16	0.518	0.1152

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PRODUCT FORMATTING

Product Scene Center Location (lat/long) : 48.871 -124.432
Product Scene Center Date/Time (yyyy mm dd): 2000 8 22 18:58:36.8185

Product Extent:

Lat:	49.81	-----	Lat:	49.92
Long:	-126.15		Long:	-122.87
North:	512880.00		North:	512880.00
East:	93360.00		East:	329520.00
Lat:	47.80		Lat:	47.90
Long:	-125.93		Long:	-122.78
North:	288090.00		North:	288090.00
East:	93360.00	-----	East:	329520.00

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EXECUTION INFORMATION

Stage	Start	End	CPU
-----	-----	-----	-----
Ingest	Thu Oct 25 11:51:54 2001	Thu Oct 25 11:53:37 2001	83.60
ModelRefiner	Thu Oct 25 11:53:42 2001	Thu Oct 25 15:02:50 2001	38.29
DemIngest	Thu Oct 25 15:03:02 2001	Thu Oct 25 15:03:50 2001	26.78
WarpDem	Thu Oct 25 15:03:52 2001	Thu Oct 25 15:04:07 2001	27.97
ImCorr	Thu Oct 25 15:04:11 2001	Thu Oct 25 15:18:56 2001	1703.24
RadQa	Thu Oct 25 15:18:58 2001	Thu Oct 25 15:18:59 2001	0.59
GeoQa	Thu Oct 25 15:19:01 2001	Thu Oct 25 15:49:42 2001	10.68
Output	Thu Oct 25 15:49:44 2001	Thu Oct 25 15:50:20 2001	17.35
Catalog	Thu Oct 25 15:50:22 2001	Thu Oct 25 15:50:23 2001	0.48
		-----	1908.98