

NLAPS CORRECTION PROCESSING REPORT

NLAPS Version:	4_1_11e8	Priority:	3
Work Order:	011011003018400006	Sensor:	ETM+
Satellite:	Landsat-7	Sensor Mode:	N/A
Camera Number:	N/A		
Input Data Ident:	/diskIngest2/temp/011011003018400006/L72EDC1800155		
Input Media Type:	Disk	File Number:	N/A
Orbit Number:	86474		
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.:	027.0
		End Row no.:	N/A
Image Lines:	7485	Image Pixels:	7876
Image Orientation:	0.00 deg from N	Output Bands:	123456789
Viewing Angle:	-0.04 deg		
Scene center lat:	47.448 deg	Scene center long:	-124.971 deg
Sun Elevation:	60.61 deg	Sun Azimuth:	140.91 deg
Scene center date:	2000 06 03	Scene center time:	18:59:53.8400
Output Media:	Disk	Output Product Id:	N/A
Product Format:	NDF	Interleaving :	BSQ
Catalogued:	FALSE		
Completion date:	2001 10 24	Completion time:	16:01:19
Termination Status: Successful Completion			

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

MODEL REFINEMENT STATISTICS -----

Number of CPs in model: 7

Error	Mean (m)	RMS (m)	Std Dev (m)
-----	-----	-----	-----
Along Track	0.50	8.94	8.92
Across Track	0.13	2.09	2.08
Height	0.04	0.22	0.22
Combined	0.51	9.18	9.16

Num	Mark	Kind	Location		Height	Residuals			Comb
			Lat	Long		Along	Across	Height	
8585	Auto	RCP	47.54	-124.33	30.00	-11.99	1.29	0.09	12.06
8830	Auto	RCP	46.86	-124.07	0.00	5.01	-0.11	-0.02	5.01
8363	Auto	RCP	47.94	-124.56	54.71	14.23	-2.13	-0.05	14.39
8362	Auto	RCP	47.71	-123.74	304.03	-3.37	-0.37	-0.04	3.39
8583	Auto	RCP	47.25	-123.85	121.00	3.31	-1.01	-0.14	3.46
8365	Auto	SCP	47.89	-124.03	335.74	7.04	-1.38	-0.12	7.18
8586	Auto	SCP	47.45	-123.96	126.29	-10.75	4.61	0.55	11.71

===== 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: 3.0000000000000000e+01
LineSpacingUnits: meters
PixelSpacing: 3.0000000000000000e+01
PixelSpacingUnits: meters

DEM Files Used

washcanus_elev2

GEOMETRIC QUALITY ASSESSMENT

Number of QA CPs: 5

Error	Mean (m)	RMS (m)	Std Dev (m)
Along Track	3.00	15.00	14.69
Across Track	-0.07	9.49	9.49
Height	0.00	0.00	0.00
Combined	3.00	17.75	17.49

Num	Mark	Kind	Location		Height	Residuals			Comb
			Lat	Long		Along	Across	Height	
8831	Man	SCP	47.05	-124.04	17.68	-14.99	0.00	0.00	14.99
8584	Man	RCP	47.21	-124.20	20.81	14.99	0.00	0.00	14.99
8580	Man	RCP	47.57	-123.72	966.23	15.00	-0.32	0.00	15.01
8370	Man	SCP	48.07	-124.47	160.49	15.01	15.00	0.00	21.22
8369	Man	RCP	47.73	-124.00	307.67	-14.99	-15.01	0.00	21.22

RADIOMETRIC QUALITY ASSESSMENT

NOTE:

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

Band	Chip Location Line Pixel	Chip Size Lines Pixels	Mean	Std Dev	Striping
1	1197.60 1268.00	128 128	181.28	8.619	0.5066
1	2394.20 2535.00	128 128	135.95	3.679	0.2611
1	3590.80 3802.00	128 128	87.45	0.594	0.0651
1	4787.40 5069.00	128 128	92.93	0.489	0.0322
2	1197.60 1268.00	128 128	150.08	8.077	0.3339
2	2394.20 2535.00	128 128	95.61	3.373	0.3597
2	3590.80 3802.00	128 128	56.20	0.595	0.0983
2	4787.40 5069.00	128 128	62.02	0.343	0.0933
3	1197.60 1268.00	128 128	160.65	11.057	0.5148
3	2394.20 2535.00	128 128	89.59	5.620	0.4745
3	3590.80 3802.00	128 128	45.74	0.649	0.1032
3	4787.40 5069.00	128 128	52.94	0.314	0.1157
4	1197.60 1268.00	128 128	73.63	5.061	0.1768
4	2394.20 2535.00	128 128	37.54	3.369	0.2419
4	3590.80 3802.00	128 128	18.63	0.282	0.0647
4	4787.40 5069.00	128 128	22.27	0.196	0.0896
5	1197.60 1268.00	128 128	133.02	6.617	0.4628
5	2394.20 2535.00	128 128	47.12	8.152	0.6142
5	3590.80 3802.00	128 128	21.96	0.450	0.1289
5	4787.40 5069.00	128 128	27.09	0.402	0.0883
6	599.20 634.40	128 128	104.75	0.313	0.0894
6	1197.40 1267.80	128 128	106.54	0.811	0.0641
6	1795.60 1901.20	128 128	100.47	2.068	0.1531
6	2393.80 2534.60	128 128	97.51	0.823	0.0717
7	1197.60 1268.00	128 128	123.59	6.561	0.3620
7	2394.20 2535.00	128 128	45.32	7.175	0.5907
7	3590.80 3802.00	128 128	19.10	0.396	0.0813
7	4787.40 5069.00	128 128	23.71	0.368	0.0871
8	2394.40 2536.80	128 128	82.93	7.751	0.3796
8	4787.80 5072.60	128 128	56.93	2.471	0.2258
8	7181.20 7608.40	128 128	27.13	0.361	0.0415
8	9574.60 10144.20	128 128	30.45	0.362	0.0672
9	599.20 634.40	128 128	102.28	0.438	0.0543
9	1197.40 1267.80	128 128	105.89	1.656	0.1772
9	1795.60 1901.20	128 128	95.30	3.834	0.2339
9	2393.80 2534.60	128 128	89.56	1.415	0.1518

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PRODUCT FORMATTING

Product Scene Center Location (lat/long) : 47.448 -124.971
Product Scene Center Date/Time (yyyy mm dd): 2000 6 3 18:59:53.8400

Product Extent:

Lat:	48.38	-----	Lat:	48.51
Long:	-126.65		Long:	-123.46
North:	356880.00		North:	356880.00
East:	44880.00		East:	281130.00
Lat:	46.37		Lat:	46.49
Long:	-126.42		Long:	-123.35
North:	132360.00		North:	132360.00
East:	44880.00	-----	East:	281130.00

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EXECUTION INFORMATION

Stage	Start	End	CPU
Ingest	Tue Oct 23 15:37:05 2001	Tue Oct 23 15:38:40 2001	83.48
ModelRefiner	Tue Oct 23 15:38:46 2001	Tue Oct 23 15:50:40 2001	32.79
DemIngest	Tue Oct 23 15:50:53 2001	Tue Oct 23 15:51:57 2001	16.96
WarpDem	Tue Oct 23 15:51:59 2001	Tue Oct 23 15:52:17 2001	35.09
ImCorr	Tue Oct 23 15:52:20 2001	Tue Oct 23 16:06:45 2001	1674.40
RadQa	Tue Oct 23 16:06:46 2001	Tue Oct 23 16:06:48 2001	0.61
GeoQa	Tue Oct 23 16:06:50 2001	Wed Oct 24 16:00:16 2001	8.57
Output	Wed Oct 24 16:00:18 2001	Wed Oct 24 16:01:09 2001	16.38
Catalog	Wed Oct 24 16:01:11 2001	Wed Oct 24 16:01:12 2001	0.50

			1868.78