

NLAPS CORRECTION PROCESSING REPORT

NLAPS Version:	4_1_11e8	Priority:	3
Work Order:	011011003018400003	Sensor:	ETM+
Satellite:	Landsat-7	Sensor Mode:	N/A
Camera Number:	N/A		
Input Data Ident:	/diskIngest2/temp/011011003018400003/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.:	027.0
		End Row no.:	N/A
Image Lines:	7411	Image Pixels:	7795
Image Orientation:	0.00 deg from N	Output Bands:	123456789
Viewing Angle:	0.06 deg		
Scene center lat:	47.449 deg	Scene center long:	-123.419 deg
Sun Elevation:	55.99 deg	Sun Azimuth:	140.99 deg
Scene center date:	2000 07 30	Scene center time:	18:53:00.9452
Output Media:	Disk	Output Product Id:	N/A
Product Format:	NDF	Interleaving :	BSQ
Catalogued:	FALSE		
Completion date:	2001 10 24	Completion time:	10:01:40
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	-0.30	8.35	8.35
Across Track	0.50	5.78	5.76
Height	0.10	0.49	0.48
Combined	0.59	10.17	10.15

Num	Mark	Kind	Location		Height	Residuals			Comb
			Lat	Long		Along	Across	Height	
8368	Auto	RCP	48.13	-123.81	128.24	11.78	-3.82	0.28	12.38
8830	Auto	RCP	46.86	-124.07	0.00	3.89	4.89	-0.25	6.26
8820	Auto	RCP	46.79	-123.53	68.47	-9.72	-5.64	-0.09	11.24
8374	Auto	RCP	48.01	-122.77	35.07	-7.81	7.68	0.37	10.95
8577	Auto	RCP	47.19	-122.28	42.05	-8.12	-3.38	-0.46	8.81
8585	Auto	RCP	47.54	-124.33	30.00	-7.87	1.42	-0.15	8.00
8724	Man	RCP	46.59	-122.93	122.00	7.43	-1.95	-0.19	7.68
8819	Man	RCP	47.11	-123.04	0.00	6.75	5.44	0.31	8.67
8362	Man	RCP	47.71	-123.74	304.03	-14.11	0.17	-0.01	14.11
8457	Man	RCP	47.56	-122.72	103.41	7.56	-4.80	-0.36	8.96
8377	Man	SCP	47.91	-122.24	161.44	-0.02	12.58	1.42	12.66
8583	Man	RCP	47.25	-123.85	121.00	6.60	-6.61	0.28	9.34

===== 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	3.11	8.39	7.79
Across Track	2.69	6.87	6.32
Height	0.00	0.00	0.00
Combined	4.11	10.85	10.04

Num	Mark	Kind	Location			Residuals			
			Lat	Long	Height	Along	Across	Height	Comb
8832	Man	RCP	46.73	-122.96	61.00	15.00	-0.29	0.00	15.01
8831	Man	SCP	47.05	-124.04	17.68	1.36	7.70	0.00	7.82
8828	Man	SCP	47.00	-123.40	27.82	15.01	0.01	0.00	15.01
8580	Man	RCP	47.57	-123.72	966.23	0.00	0.00	0.00	0.00
8576	Man	RCP	47.41	-123.32	183.67	0.00	0.01	0.00	0.01
8453	Man	RCP	47.34	-122.79	0.00	7.78	14.85	0.00	16.77
8371	Man	SCP	47.74	-124.30	85.21	-11.00	9.40	0.00	14.47
8361	Man	RCP	48.20	-124.18	121.91	0.00	0.00	0.00	0.00
8360	Man	RCP	47.89	-122.67	122.00	-0.16	-7.52	0.00	7.52

RADIOMETRIC QUALITY ASSESSMENT

NOTE:

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

Band	Chip Location	Chip Size	Mean	Std Dev	Striping
	Line Pixel	Lines Pixels			

1	1197.60	1268.00	128	128	59.78	0.808	0.0959
1	2394.20	2535.00	128	128	58.09	1.518	0.2115
1	3590.80	3802.00	128	128	65.72	1.859	0.1913
1	4787.40	5069.00	128	128	60.98	1.564	0.1102
2	1197.60	1268.00	128	128	46.23	1.603	0.1470
2	2394.20	2535.00	128	128	44.28	4.831	0.3598
2	3590.80	3802.00	128	128	52.28	2.255	0.1686
2	4787.40	5069.00	128	128	46.38	1.729	0.1992
3	1197.60	1268.00	128	128	31.51	1.721	0.2234
3	2394.20	2535.00	128	128	40.05	9.443	0.6513
3	3590.80	3802.00	128	128	43.12	3.574	0.1818
3	4787.40	5069.00	128	128	37.24	1.983	0.1450
4	1197.60	1268.00	128	128	83.82	5.299	0.4483
4	2394.20	2535.00	128	128	60.46	6.580	0.2732
4	3590.80	3802.00	128	128	72.34	6.013	0.2805
4	4787.40	5069.00	128	128	89.41	6.235	0.3980
5	1197.60	1268.00	128	128	44.35	2.615	0.3026
5	2394.20	2535.00	128	128	49.12	4.127	0.4922
5	3590.80	3802.00	128	128	72.51	7.969	0.3612
5	4787.40	5069.00	128	128	73.23	10.746	0.5657
6	599.20	634.40	128	128	126.50	1.596	0.0710
6	1197.40	1267.80	128	128	123.96	1.401	0.0820
6	1795.60	1901.20	128	128	139.94	2.281	0.1004
6	2393.80	2534.60	128	128	136.11	1.499	0.1632
7	1197.60	1268.00	128	128	21.60	2.066	0.1593
7	2394.20	2535.00	128	128	26.06	2.309	0.2388
7	3590.80	3802.00	128	128	37.59	3.433	0.3452
7	4787.40	5069.00	128	128	35.58	7.118	0.2100
8	2394.40	2536.80	128	128	56.25	2.915	0.1180
8	4787.80	5072.60	128	128	42.23	6.404	0.4424
8	7181.20	7608.40	128	128	57.18	3.584	0.2458
8	9574.60	10144.20	128	128	62.17	3.031	0.0896
9	599.20	634.40	128	128	142.10	2.943	0.1308
9	1197.40	1267.80	128	128	137.45	2.533	0.1231
9	1795.60	1901.20	128	128	166.30	4.139	0.1814
9	2393.80	2534.60	128	128	159.31	2.711	0.3033

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PRODUCT FORMATTING

Product Scene Center Location (lat/long) : 47.449 -123.419
Product Scene Center Date/Time (yyyy mm dd): 2000 7 30 18:53:00.9452

Product Extent:

Lat:	48.40	-----	Lat:	48.48
Long:	-125.05		Long:	-121.90
North:	350400.00		North:	350400.00
East:	162960.00		East:	396780.00

Lat:	46.40	Lat:	46.48
Long:	-124.89	Long:	-121.84
North:	128100.00	North:	128100.00
East:	162960.00	East:	396780.00

EXECUTION INFORMATION

[illegible]