

NLAPS CORRECTION PROCESSING REPORT

NLAPS Version:	4_1_11e8	Priority:	3
Work Order:	011011003017500005	Sensor:	ETM+
Satellite:	Landsat-7	Sensor Mode:	N/A
Camera Number:	N/A		
Input Data Ident:	/diskIngest1/temp/011011003017500005/L72EDC1800221		
Input Media Type:	Disk	File Number:	N/A
Orbit Number:	87435		
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.:	026.0
		End Row no.:	N/A
Image Lines:	7329	Image Pixels:	7704
Image Orientation:	0.00 deg from N	Output Bands:	123456789
Viewing Angle:	0.06 deg		
Scene center lat:	48.863 deg	Scene center long:	-121.314 deg
Sun Elevation:	52.94 deg	Sun Azimuth:	144.89 deg
Scene center date:	2000 08 08	Scene center time:	18:46:18.9931
Output Media:	Disk	Output Product Id:	N/A
Product Format:	NDF	Interleaving :	BSQ
Catalogued:	FALSE		
Completion date:	2001 10 15	Completion time:	12:23:17
Termination Status:	Successful Completion		

DETAILED PROCESSING RESULTS

MODEL REFINEMENT STATISTICS

Number of CPs in model: 13

Error	Mean (m)	RMS (m)	Std Dev (m)
Along Track	1.42	9.40	9.29
Across Track	-0.44	4.44	4.42
Height	0.04	0.45	0.45
Combined	1.49	10.40	10.29

Num	Mark	Kind	Location		Height	Residuals			Comb
			Lat	Long		Along	Across	Height	
8000	Auto	RCP	48.71	-121.16	312.82	4.76	5.32	0.13	7.13
7724	Auto	RCP	49.54	-121.86	0.00	4.03	-3.97	0.36	5.67
7994	Auto	RCP	48.30	-122.53	122.00	2.60	3.94	-0.45	4.74
7942	Auto	RCP	48.97	-121.96	1402.31	-8.14	-5.71	0.44	9.96
8204	Auto	RCP	48.18	-121.24	1620.22	-18.17	-3.01	-0.13	18.41
7826	Auto	RCP	48.99	-120.38	2189.02	-7.72	-2.47	-0.24	8.11
8146	Auto	SCP	48.67	-122.41	110.66	7.39	1.37	-0.16	7.52
26576	Man	RCP	49.22	-121.00	1380.56	6.04	-2.12	-0.03	6.40
7723	Man	RCP	49.44	-120.30	580.00	-8.21	-4.86	-0.41	9.55
8203	Man	RCP	48.24	-120.40	2256.85	13.83	-3.13	-0.43	14.18
7998	Man	RCP	48.54	-120.32	594.36	10.44	10.38	1.28	14.78
7945	Man	SCP	49.12	-122.30	1.53	-1.91	-1.17	0.14	2.25
8017	Man	RCP	48.60	-121.53	1220.29	13.55	-0.32	0.01	13.56

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: 12

Error	Mean (m)	RMS (m)	Std Dev (m)

Along Track	4.95	12.90	11.92
Across Track	-1.30	11.33	11.26
Height	0.00	0.00	0.00
Combined	5.11	17.17	16.39

			Location			Residuals			
Num	Mark	Kind	Lat	Long	Height	Along	Across	Height	Comb
8381	Man	RCP	47.99	-120.92	1778.78	1.25	8.70	0.00	8.79
8223	Man	RCP	48.25	-120.81	1953.77	0.00	0.02	0.00	0.02
8143	Man	RCP	48.45	-122.23	59.00	2.27	-6.18	0.00	6.59
8031	Man	RCP	48.76	-120.92	1827.58	-15.31	-14.69	0.00	21.22
8016	Man	RCP	48.82	-122.20	90.08	0.00	0.00	0.00	0.00
7995	Man	RCP	48.34	-121.55	86.25	14.98	15.03	0.00	21.22
7836	Man	RCP	49.26	-121.78	20.00	15.01	15.04	0.00	21.24
7823	Man	RCP	48.99	-121.53	1526.46	-15.01	-15.02	0.00	21.23
7819	Man	RCP	48.97	-120.59	1207.01	14.72	-15.28	0.00	21.22
7726	Man	RCP	49.45	-120.53	652.58	22.52	7.53	0.00	23.74
7721	Man	RCP	49.70	-121.69	1356.36	18.94	4.27	0.00	19.41
26574	Man	RCP	49.47	-121.34	1218.05	0.00	-15.01	0.00	15.01

=====

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	65.47	5.862	0.5927
1	2394.20 2535.00	128 128	55.88	2.647	0.1405
1	3590.80 3802.00	128 128	86.33	27.621	0.7578
1	4787.40 5069.00	128 128	70.56	9.643	0.7354
2	1197.60 1268.00	128 128	48.48	4.812	0.5922
2	2394.20 2535.00	128 128	42.23	3.153	0.2815
2	3590.80 3802.00	128 128	78.26	34.479	1.2014
2	4787.40 5069.00	128 128	62.53	9.821	0.6864
3	1197.60 1268.00	128 128	34.08	5.003	0.5821
3	2394.20 2535.00	128 128	30.94	3.958	0.3552
3	3590.80 3802.00	128 128	73.70	43.824	1.6274
3	4787.40 5069.00	128 128	64.28	11.757	0.6516
4	1197.60 1268.00	128 128	74.89	2.528	0.3737
4	2394.20 2535.00	128 128	61.10	7.540	0.3153
4	3590.80 3802.00	128 128	67.62	12.428	0.4973
4	4787.40 5069.00	128 128	60.42	6.225	0.5180
5	1197.60 1268.00	128 128	40.93	6.181	0.3239
5	2394.20 2535.00	128 128	46.74	8.760	0.4645
5	3590.80 3802.00	128 128	46.00	16.409	0.8724
5	4787.40 5069.00	128 128	57.67	9.544	0.7906
6	599.20 634.40	128 128	121.97	0.409	0.0584
6	1197.40 1267.80	128 128	123.00	1.984	0.0639
6	1795.60 1901.20	128 128	123.80	3.664	0.1149
6	2393.80 2534.60	128 128	134.32	2.034	0.2048
7	1197.60 1268.00	128 128	21.22	1.390	0.1313
7	2394.20 2535.00	128 128	26.18	5.775	0.3616
7	3590.80 3802.00	128 128	29.07	12.500	0.7371
7	4787.40 5069.00	128 128	43.79	9.481	0.3377
8	2394.40 2536.80	128 128	63.85	4.628	0.3566
8	4787.80 5072.60	128 128	52.87	4.577	0.1634
8	7181.20 7608.40	128 128	49.44	7.149	0.7286
8	9574.60 10144.20	128 128	41.82	4.450	0.3138
9	599.20 634.40	128 128	133.85	0.745	0.0864
9	1197.40 1267.80	128 128	135.70	3.578	0.0964
9	1795.60 1901.20	128 128	137.18	6.606	0.1830
9	2393.80 2534.60	128 128	156.12	3.662	0.3603

PRODUCT FORMATTING

Product Scene Center Location (lat/long) : 48.863 -121.314
Product Scene Center Date/Time (yyyy mm dd): 2000 8 8 18:46:18.9931

Product Extent:

Lat: 49.83	-----	Lat: 49.85
Long: -122.93		Long: -119.73
North: 502680.00		North: 502680.00
East: 324720.00		East: 555810.00

Lat: 47.85
Long: -122.84
North: 282840.00
East: 324720.00

Lat: 47.88
Long: -119.75
North: 282840.00
East: 555810.00

EXECUTION INFORMATION

Stage	Start	End	CPU
Ingest	Mon Oct 15 08:28:28 2001	Mon Oct 15 08:30:19 2001	95.91
ModelRefiner	Mon Oct 15 08:30:24 2001	Mon Oct 15 11:39:31 2001	51.19
DemIngest	Mon Oct 15 11:39:43 2001	Mon Oct 15 11:40:29 2001	26.54
WarpDem	Mon Oct 15 11:40:31 2001	Mon Oct 15 11:43:48 2001	35.16
ImCorr	Mon Oct 15 11:43:51 2001	Mon Oct 15 11:57:04 2001	1606.57
RadQa	Mon Oct 15 11:57:06 2001	Mon Oct 15 11:57:07 2001	0.60
GeoQa	Mon Oct 15 11:57:09 2001	Mon Oct 15 12:22:23 2001	10.65
Output	Mon Oct 15 12:22:25 2001	Mon Oct 15 12:23:07 2001	15.21
Catalog	Mon Oct 15 12:23:09 2001	Mon Oct 15 12:23:09 2001	0.47
			1842.30