

NLAPS CORRECTION PROCESSING REPORT

NLAPS Version:	4_1_11e8	Priority:	3
Work Order:	011011003017500001	Sensor:	ETM+
Satellite:	Landsat-7	Sensor Mode:	N/A
Camera Number:	N/A		
Input Data Ident:	/diskIngest3/temp/01101100301750001/L72EDC1800191		
Input Media Type:	Disk	File Number:	N/A
Orbit Number:	86998		
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.:	044	Start Row no.:	028.0
		End Row no.:	N/A
Image Lines:	7146	Image Pixels:	7530
Image Orientation:	0.00 deg from N	Output Bands:	123456789
Viewing Angle:	-0.06 deg		
Scene center lat:	46.031 deg	Scene center long:	-119.337 deg
Sun Elevation:	60.47 deg	Sun Azimuth:	135.64 deg
Scene center date:	2000 07 09	Scene center time:	18:35:13.4474
Output Media:	Disk	Output Product Id:	N/A
Product Format:	NDF	Interleaving :	BSQ
Catalogued:	FALSE		
Completion date:	2001 10 15	Completion time:	11:07:55
Termination Status:	Successful Completion		

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

MODEL REFINEMENT STATISTICS -----

Number of CPs in model: 16

Error	Mean (m)	RMS (m)	Std Dev (m)
-----	-----	-----	-----
Along Track	-0.11	7.90	7.90
Across Track	-0.42	6.17	6.16
Height	0.09	0.60	0.59
Combined	0.44	10.04	10.04

Num	Mark	Kind	Location		Height	Residuals			Comb
			Lat	Long		Along	Across	Height	
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
8715	Auto	RCP	46.77	-119.60	289.56	1.71	-7.69	0.48	7.90
26517	Auto	RCP	45.52	-120.77	672.07	-4.33	3.12	-0.46	5.36
8811	Auto	RCP	46.74	-118.57	442.99	-4.69	-10.73	-0.63	11.72
9104	Auto	RCP	46.42	-120.25	269.53	5.78	9.50	-1.18	11.19
9039	Auto	RCP	46.21	-119.11	107.00	-9.96	1.84	0.03	10.13
9326	Auto	RCP	45.52	-119.63	426.00	-13.35	-0.08	-0.01	13.35
9257	Auto	RCP	45.49	-118.79	535.04	6.74	7.78	0.69	10.32
9273	Auto	RCP	45.89	-119.81	139.16	4.61	2.92	-0.14	5.46
9274	Auto	RCP	45.72	-120.31	139.50	13.24	-0.86	0.09	13.27
8962	Man	RCP	46.30	-118.62	316.96	2.19	-6.98	-0.51	7.33
9270	Man	RCP	45.98	-118.31	328.76	11.00	2.39	0.29	11.26
9387	Man	SCP	45.93	-119.06	292.26	-2.33	0.53	0.02	2.39
8708	Man	RCP	46.58	-118.09	178.92	-4.00	7.91	0.96	8.92
8838	Man	SCP	46.75	-120.23	670.00	-8.94	-7.68	1.05	11.83
8777	Man	RCP	46.58	-119.07	274.00	9.64	0.59	0.02	9.65
8975	Man	RCP	46.21	-119.95	207.97	-9.11	-9.24	0.74	13.00

===== 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: 10

Error	Mean (m)	RMS (m)	Std Dev (m)
Along Track	6.73	11.07	8.79
Across Track	-5.47	11.54	10.16
Height	0.00	0.00	0.00
Combined	8.67	15.99	13.44

Num	Mark	Kind	Location		Height	Residuals			
			Lat	Long		Along	Across	Height	Comb
9673	Man	SCP	45.20	-119.27	1585.00	-9.82	10.17	0.00	14.14
9330	Man	RCP	45.46	-119.95	426.00	10.00	0.19	0.00	10.00
9263	Man	RCP	45.94	-118.74	573.79	-0.38	-20.00	0.00	20.01
9260	Man	RCP	45.53	-118.91	610.08	20.00	-0.39	0.00	20.01
9248	Man	SCP	45.72	-120.62	192.78	9.99	0.21	0.00	10.00
9107	Man	SCP	46.51	-119.89	426.00	10.01	-9.99	0.00	14.14
9041	Man	RCP	46.14	-118.49	244.00	20.12	-9.78	0.00	22.37
9038	Man	RCP	46.04	-119.60	268.24	0.42	-19.99	0.00	20.00
8971	Man	RCP	46.52	-119.53	209.40	3.66	-13.00	0.00	13.50
8826	Man	SCP	46.57	-118.54	182.61	3.29	7.93	0.00	8.58

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	93.13	3.679	0.1978
1	2394.20 2535.00	128 128	100.89	4.484	0.2038
1	3590.80 3802.00	128 128	86.75	5.692	0.2984
1	4787.40 5069.00	128 128	87.83	3.076	0.1621
2	1197.60 1268.00	128 128	80.11	6.887	0.4649
2	2394.20 2535.00	128 128	94.09	4.828	0.3149
2	3590.80 3802.00	128 128	75.62	5.753	0.3392
2	4787.40 5069.00	128 128	77.82	4.545	0.2584
3	1197.60 1268.00	128 128	96.37	13.996	1.1129
3	2394.20 2535.00	128 128	117.89	5.191	0.5014
3	3590.80 3802.00	128 128	79.08	15.178	1.0378
3	4787.40 5069.00	128 128	94.21	7.600	0.4692
4	1197.60 1268.00	128 128	58.08	10.458	0.6871
4	2394.20 2535.00	128 128	70.95	4.209	0.2118
4	3590.80 3802.00	128 128	95.57	15.068	0.8629
4	4787.40 5069.00	128 128	64.18	2.575	0.2432
5	1197.60 1268.00	128 128	117.16	34.003	2.0252
5	2394.20 2535.00	128 128	138.42	6.190	0.5700
5	3590.80 3802.00	128 128	112.16	12.990	1.2558
5	4787.40 5069.00	128 128	113.47	4.807	0.2208
6	599.20 634.40	128 128	162.62	7.928	0.6120
6	1197.40 1267.80	128 128	159.51	2.651	0.2704
6	1795.60 1901.20	128 128	141.01	5.359	0.1427
6	2393.80 2534.60	128 128	144.87	2.086	0.1925
7	1197.60 1268.00	128 128	90.33	26.376	1.5085
7	2394.20 2535.00	128 128	112.24	9.329	0.8461
7	3590.80 3802.00	128 128	69.70	11.695	1.0449
7	4787.40 5069.00	128 128	81.71	5.066	0.3942
8	2394.40 2536.80	128 128	62.17	3.795	0.2123
8	4787.80 5072.60	128 128	76.39	0.683	0.0531
8	7181.20 7608.40	128 128	74.98	4.174	0.2979
8	9574.60 10144.20	128 128	68.72	3.521	0.1883
9	599.20 634.40	128 128	207.22	14.318	1.0949
9	1197.40 1267.80	128 128	201.62	4.790	0.4682
9	1795.60 1901.20	128 128	168.24	9.667	0.2727
9	2393.80 2534.60	128 128	175.19	3.746	0.3459

PRODUCT FORMATTING

Product Scene Center Location (lat/long) : 46.031 -119.337
 Product Scene Center Date/Time (yyyy mm dd): 2000 7 9 18:35:13.4474

Product Extent:

Lat: 47.00	-----	Lat: 46.97
Long: -120.80		Long: -117.83
North: 185340.00		North: 185340.00
East: 477060.00		East: 702930.00

Lat: 45.07
Long: -120.79
North: -29010.00
East: 477060.00

Lat: 45.04
Long: -117.92
North: -29010.00
East: 702930.00

EXECUTION INFORMATION

Stage	Start	End	CPU
Ingest	Mon Oct 15 09:13:38 2001	Mon Oct 15 09:16:06 2001	133.63
ModelRefiner	Mon Oct 15 09:16:12 2001	Mon Oct 15 10:24:40 2001	113.94
DemIngest	Mon Oct 15 10:24:54 2001	Mon Oct 15 10:25:37 2001	25.21
WarpDem	Mon Oct 15 10:25:39 2001	Mon Oct 15 10:25:56 2001	30.74
ImCorr	Mon Oct 15 10:25:59 2001	Mon Oct 15 10:40:08 2001	1546.47
RadQa	Mon Oct 15 10:40:10 2001	Mon Oct 15 10:40:11 2001	0.61
GeoQa	Mon Oct 15 10:40:14 2001	Mon Oct 15 11:06:49 2001	11.01
Output	Mon Oct 15 11:06:51 2001	Mon Oct 15 11:07:44 2001	18.47
Catalog	Mon Oct 15 11:07:46 2001	Mon Oct 15 11:07:48 2001	0.57
			1880.65