

NLAPS CORRECTION PROCESSING REPORT

NLAPS Version:	4_1_11e8	Priority:	3
Work Order:	011011003018400004	Sensor:	ETM+
Satellite:	Landsat-7	Sensor Mode:	N/A
Camera Number:	N/A		
Input Data Ident:	/diskIngest3/temp/011011003018400004/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.:	028.0
		End Row no.:	N/A
Image Lines:	7408	Image Pixels:	7800
Image Orientation:	0.00 deg from N	Output Bands:	123456789
Viewing Angle:	0.07 deg		
Scene center lat:	46.029 deg	Scene center long:	-123.956 deg
Sun Elevation:	56.89 deg	Sun Azimuth:	138.94 deg
Scene center date:	2000 07 30	Scene center time:	18:53:24.8238
Output Media:	Disk	Output Product Id:	N/A
Product Format:	NDF	Interleaving :	BSQ
Catalogued:	FALSE		
Completion date:	2001 10 25	Completion time:	8:22:46
Termination Status: Successful Completion			

DETAILED PROCESSING RESULTS

MODEL REFINEMENT STATISTICS

Number of CPs in model: 9

Error	Mean (m)	RMS (m)	Std Dev (m)
Along Track	-0.03	1.84	1.84
Across Track	0.57	6.23	6.21
Height	0.08	0.48	0.47
Combined	0.57	6.52	6.49

Num	Mark	Kind	Location			Residuals			
			Lat	Long	Height	Along	Across	Height	Comb
9667	Auto	RCP	45.30	-123.35	215.30	-3.27	8.57	0.88	9.22
8830	Auto	RCP	46.86	-124.07	0.00	0.18	3.44	-0.17	3.45
8723	Auto	RCP	46.60	-122.90	73.15	-1.26	3.54	0.34	3.77
9295	Auto	RCP	45.83	-123.06	328.74	4.27	3.32	0.37	5.42
9089	Man	RCP	46.35	-123.96	37.72	0.02	-3.56	0.05	3.56
9293	Man	RCP	45.84	-123.61	122.00	-0.03	5.50	0.27	5.51
8990	Man	RCP	46.44	-123.08	122.00	0.04	3.13	0.26	3.14
9684	Man	SCP	45.20	-123.72	671.36	-0.29	-7.21	-0.45	7.23
9096	Man	RCP	46.03	-123.37	183.00	0.10	-11.65	-0.79	11.68

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

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DEM PROCESSING

Elevation Correction Applied: Fine DEM
 LineSpacing: 3.000000000000000e+01
 LineSpacingUnits: meters
 PixelSpacing: 3.000000000000000e+01
 PixelSpacingUnits: meters

DEM Files Used

washcanus_elev2

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GEOMETRIC QUALITY ASSESSMENT

Number of QA CPs: 9

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

Along Track	-4.97	9.82	8.47
Across Track	3.12	11.95	11.54
Height	0.00	0.00	0.00
Combined	5.86	15.47	14.32

Num	Mark	Kind	Location		Height	Residuals			
			Lat	Long		Along	Across	Height	Comb
9397	Man	SCP	45.50	-123.60	137.15	-0.28	-15.01	0.00	15.01
9392	Man	RCP	45.71	-123.09	305.29	-14.71	15.30	0.00	21.22
9294	Man	RCP	45.79	-123.53	548.38	0.03	-0.02	0.00	0.03
9291	Man	RCP	45.44	-123.12	61.00	0.28	14.99	0.00	14.99
9100	Man	SCP	46.38	-123.44	371.56	-0.01	14.99	0.00	14.99
8992	Man	RCP	46.16	-122.70	183.00	0.28	14.98	0.00	14.99
8829	Man	SCP	46.63	-123.92	1.99	4.82	-7.11	0.00	8.59
8820	Man	RCP	46.79	-123.53	68.47	-15.00	0.00	0.00	15.00
8724	Man	RCP	46.59	-122.93	122.00	-20.09	-10.10	0.00	22.48

RADIOMETRIC QUALITY ASSESSMENT

NOTE:

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

Band	Chip Line	Location Pixel	Chip Lines	Size Pixels	Mean	Std Dev	Striping
1	1197.60	1268.00	128	128	67.35	0.264	0.0775
1	2394.20	2535.00	128	128	213.02	5.120	0.3478
1	3590.80	3802.00	128	128	63.48	2.263	0.0795
1	4787.40	5069.00	128	128	58.36	0.575	0.1081
2	1197.60	1268.00	128	128	39.49	0.270	0.0795
2	2394.20	2535.00	128	128	180.92	9.000	0.5632
2	3590.80	3802.00	128	128	49.11	2.189	0.1150
2	4787.40	5069.00	128	128	41.53	0.667	0.0978
3	1197.60	1268.00	128	128	26.92	0.275	0.0840
3	2394.20	2535.00	128	128	187.38	11.749	0.7939
3	3590.80	3802.00	128	128	36.89	4.011	0.2747
3	4787.40	5069.00	128	128	29.42	1.717	0.1015
4	1197.60	1268.00	128	128	10.09	0.336	0.1314
4	2394.20	2535.00	128	128	82.47	5.616	0.3135
4	3590.80	3802.00	128	128	88.90	3.734	0.2413
4	4787.40	5069.00	128	128	68.74	4.908	0.3762
5	1197.60	1268.00	128	128	11.74	0.120	0.0494
5	2394.20	2535.00	128	128	137.14	5.927	0.5293
5	3590.80	3802.00	128	128	55.56	2.724	0.2494
5	4787.40	5069.00	128	128	40.91	7.197	0.3640
6	599.20	634.40	128	128	116.75	0.225	0.0799
6	1197.40	1267.80	128	128	116.46	0.343	0.0736
6	1795.60	1901.20	128	128	133.80	0.687	0.1051
6	2393.80	2534.60	128	128	132.65	1.293	0.0970
7	1197.60	1268.00	128	128	11.02	0.138	0.0337
7	2394.20	2535.00	128	128	120.80	5.274	0.4811
7	3590.80	3802.00	128	128	28.53	4.507	0.2641
7	4787.40	5069.00	128	128	20.52	4.582	0.2751
8	2394.40	2536.80	128	128	16.08	0.263	0.0733
8	4787.80	5072.60	128	128	109.99	3.805	0.1463
8	7181.20	7608.40	128	128	58.60	3.216	0.2489
8	9574.60	10144.20	128	128	52.85	2.601	0.2475
9	599.20	634.40	128	128	124.51	0.283	0.1303
9	1197.40	1267.80	128	128	123.90	0.588	0.1323
9	1795.60	1901.20	128	128	155.14	1.213	0.1665
9	2393.80	2534.60	128	128	153.02	2.342	0.1144

PRODUCT FORMATTING

Product Scene Center Location (lat/long) : 46.029 -123.956
 Product Scene Center Date/Time (yyyy mm dd): 2000 7 30 18:53:24.8238

Product Extent:

Lat:	46.97	-----	Lat:	47.06
Long:	-125.56		Long:	-122.48
North:	194280.00		North:	194280.00
East:	115500.00		East:	349470.00
Lat:	44.98		Lat:	45.07
Long:	-125.38		Long:	-122.41
North:	-27930.00		North:	-27930.00
East:	115500.00	-----	East:	349470.00

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EXECUTION INFORMATION

Stage	Start	End	CPU
Ingest	Tue Oct 23 15:44:14 2001	Tue Oct 23 15:46:01 2001	93.16
ModelRefiner	Tue Oct 23 15:46:06 2001	Wed Oct 24 08:14:04 2001	48.54
DemIngest	Wed Oct 24 08:14:16 2001	Wed Oct 24 08:15:42 2001	23.61
WarpDem	Wed Oct 24 08:15:44 2001	Wed Oct 24 08:16:11 2001	33.69
ImCorr	Wed Oct 24 08:16:15 2001	Wed Oct 24 08:29:50 2001	1665.47
RadQa	Wed Oct 24 08:29:52 2001	Wed Oct 24 08:29:53 2001	0.61
GeoQa	Wed Oct 24 08:29:55 2001	Thu Oct 25 08:21:42 2001	10.68
Output	Thu Oct 25 08:21:44 2001	Thu Oct 25 08:22:36 2001	17.69
Catalog	Thu Oct 25 08:22:37 2001	Thu Oct 25 08:22:39 2001	0.48

			1893.93