

CE 603 Homework 3 – Control Point Inventory

Assigned Friday 2-March-2007, due 1 week

- Find new quickbird scene in x:\share\bethel\ce603\dglaf\dg8_1.tif, find downsample version for annotation in dg8_32.jpg
- Find eros-a scene in x:\share\bethel\ce603\eros_a\81.tif
- Find GCP specs for points A1-A17 in “control points for hi-res commercial imagery” in notes page for ce603-06, line and sample refer to an ikonos scene
- Find GCP specs for points B1-B8,B11-B15,B17 (some are duplicates with A’s) in “copy of specs for ce511 survey” in notes page for ce603_06, line and sample values are referenced to eros image 81 above. See coords next page.
- Make a table with a row for each point and columns showing: point visible (yes/no); quality (good/poor); image coordinates (line,sample)
- Plot and label locations on downsampled image
- Plot and label 5 proposed new points for full scene coverage, give line and sample from full-res image, extract image window around the point, give short text description of the point (pick points that are accessible in case you have to occupy them)

Coordinates of B-points on the EROS image

Num		Latitude		Longitude		Ht	Line	Samp	
1	40	22	38.54801	86	52	48.75744	165.64	4784	5417
2	40	22	42.92589	86	54	27.36491	162.28	4714	4362
3	40	24	15.05993	86	57	23.44404	129.09	3449	2642
4	40	25	15.09051	86	55	39.63017	155.42	2685	3796
5	40	23	38.48719	86	54	48.46947	159.29	3956	4207
6	40	23	51.29334	86	52	29.66068	166.14	3800	5683
7	40	25	02.22420	86	52	31.92162	178.92	2874	5709
8	40	25	09.83404	86	54	44.09534	150.75	2756	4361
11	40	26	05.58922	86	55	14.72793	170.64	2052	4108
12	40	26	23.11545	86	58	02.70066	181.87	1821	2444
13	40	27	49.26738	86	57	29.04356	175.56	785	2907
14	40	28	01.14895	86	55	27.37389	179.32	662	4107
15	40	27	08.78274	86	52	50.16630	133.18	1283	5621
17	40	28	51.29928	86	55	47.87123	173.85	95	3949