

Department of Soil and Water Science

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To: Dave Carneggie
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cc: MODLAND

From: Alfredo Huete *Alfredo Huete*

Enclosed is the final test site list for the MODIS request to purchase 50 MSS scenes. 2 scenes are to be acquired from each site within the 1972-1976 time period as well as the 1986-1989 time period. The site specific times of the year (seasonal window) is given for each site as is the center latitude and longitude. Each pair of images would be from the same seasonal period and would be our first attempt of using MSS to observe vegetation cover types and "changes" over a wide range of biome types. These images will also aid us in scale-related issues incorporating both MSS and AVHRR data sets. The test sites chosen include LTER sites, IGBP sites, IBP sites, National Parks, MAB sites (biosphere reserves), and Eos MODIS and Interdisciplinary project sites.

As we discussed by phone, if the available imagery in the MSS archives over our chosen 'time and space windows' were to be compiled by the April 14-16 MODIS Science Team Meeting, then the MODLAND group could finalize this order. Some sites of interest were not included on this list because we know of or already have MSS imagery over such areas. Although there are 28 sites listed below, we may edit 3 out or simply purchase one image for some sites. This would be decided in April. Thanks for your help on this.



MODIS MSS TEST SITES

A. NORTH AMERICA

1. Churchill, Manitoba, Canada (Cihlar involved here as part of Canadian Global Change Program). Tundra, taiga, estuarine.
94.33 W, 58.67 N;
July-Sept.
2. Whitecourt, Alberta, Canada (Cihlar involved here as part of Canadian Global Change Program). Boreal Forest.
115.67 W, 52.33 N;
July-Sept.
3. Glacier National Park, Montana (Running and Hall involved).
Boreal Forest.
113.27 W; 48.27 N
July-Sept.
4. Harvard Forest, Petersham, Massachusetts (LTER site, 1200 ha, Strahler involved). Eastern deciduous forest.
72.25 W, 42.37 N (*SW corner)
June- Sept.
5. Central Plains, Nunn, Colorado (LTER site), Shortgrass prairie, steppe.
104.7 W, 40.83 N
June- Sept.
6. Konza Prairie, Kansas (LTER site, FIFE). Tallgrass prairie. A historical data set would complement the current data available at FIFE.
96.62 W, 39.12 N
June-Aug.

7. Jasper Ridge, California (Eos-IDS, Mooney). Rolling grassland, chaparral- Mediterranean.
122.22 W, 37.40 N;
Jan.-March
8. Oak Ridge National Lab, Tennessee. (Southern hardwood site)
84.25 W, 36.02 N
June- Sept.
9. Jornada, New Mexico (LTER site, Strahler involved). Hot desert.
106.75 W, 33.12 N;
July-Sept.
10. Walnut Gulch, Arizona (Eos-IDS site, Sorooshian; Huete involved). Semi-desert grassland and shrubland.
109.85 W, 31.74 N;
July-Sept.
11. Sonora, Mexico (Mexican ecological site, grassland-shrub)
110.5 W, 28.5 N.
Aug.-Oct.
12. Mapimi Biosphere Reserve, deciduous semi-desert shrubland in the state of Durango, Mexico.
103.75 W, 26.68 N
July- Sept.
13. Luquillo, Puerto Rico (LTER site). Tropical rainforest, hurricane impacts.
65.75 W, 18.32 N;
Sept.-Nov.

B. AFRICA

14. Gourma, Mali (IGBP SALT Transect).
NW 1.93 W, 15.43 N
SE 1.40 W, 14.90 N
Aug.-Oct.

15. Bidi, Burkina Faso (IGBP SALT Transect).
NW 2.77 W, 14.18 N
SE 2.23 W, 13.65 N
Aug.-Oct.
16. Fandouberi and Banizambou, Niger (2 HAPEX-Sahel sites) east
of Niamey. Semi-desert -grassland, savanna, shrubland.
2.60 E, 13.50 N
Aug.-Oct.
17. Ouango-Fitini, La Cote d'Ivoire (IGBP SALT Transect)
NW 4.27 W, 9.70 N
SE 3.70 W, 9.17 N
Aug.-Oct.
18. Lamto, La Cote d'Ivoire (SALT transect of IGBP)
NW 5.42 W, 6.70 N
SE 4.88 W, 6.17 N, *NEED RE-EVALUATE*
Aug.-Oct.
19. Luangwa, Zambia (National Park, Univ. of Maryland)
31.75 E, 12.75 S
Jan.- March *NINE*
20. Nylsvlei, South Africa (IBP site)
28.40 E, 24.65 S
Jan.- March

C. SOUTH AMERICA

21. Turrialba, Costa Rica. Tropical rainforest. CATIE research
center and several national parks.
83.7 W, 9.9 N
Aug.-Oct.
22. Llanos Tropical grassland in Apure, Venezuela.
66.5 W, 7.8 N
Aug.-Sept. *NINE*

23. San Carlos de Rio Negro, Venezuela (Biosphere reserve, MAB).
67.0 W, 1.90 N
Aug.-Oct.
24. Caatinga, Brazil highlands near Campina Grande. Dry thorny scrub forest.
36.0 W, 7.0 S
April- May N/A
25. Gran Chaco, Argentina. Xerophytic forest with open grassy savannas.
62.0 W, 23.5 S
Jan.- Feb.
26. Humid Pampas Temperate grassland site in El Palmar, Argentina.
58.0 W, 31.2 S
Jan. - March
27. Dry Pampas Temperate grassland site in La Pampa, Argentina.
66.0 W, 37.0 S
Jan. - March
28. Patagonia, Argentina near Puerto Madryn
65.0 W, 42.8 S
Jan.- Feb. N/A