

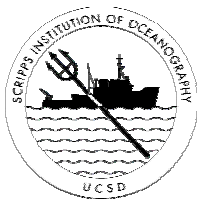
DL4-Met Hydroclimate Data Logger

Douglas Alden

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University of California, San Diego
Integrative Oceanography Division
Hydraulics Laboratory - Technology Application Group

06 Nov 2007

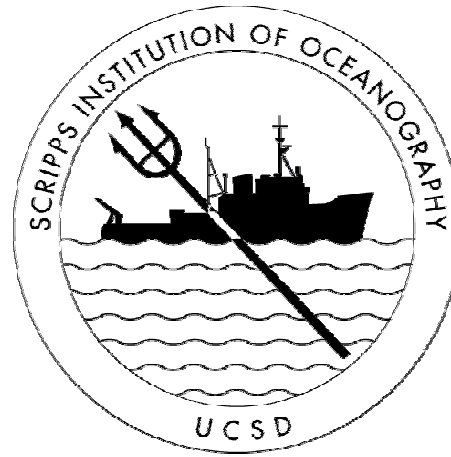
dalden@ucsd.edu
(858) 534-8997



<http://sio.ucsd.edu>

<http://ucsd.edu>

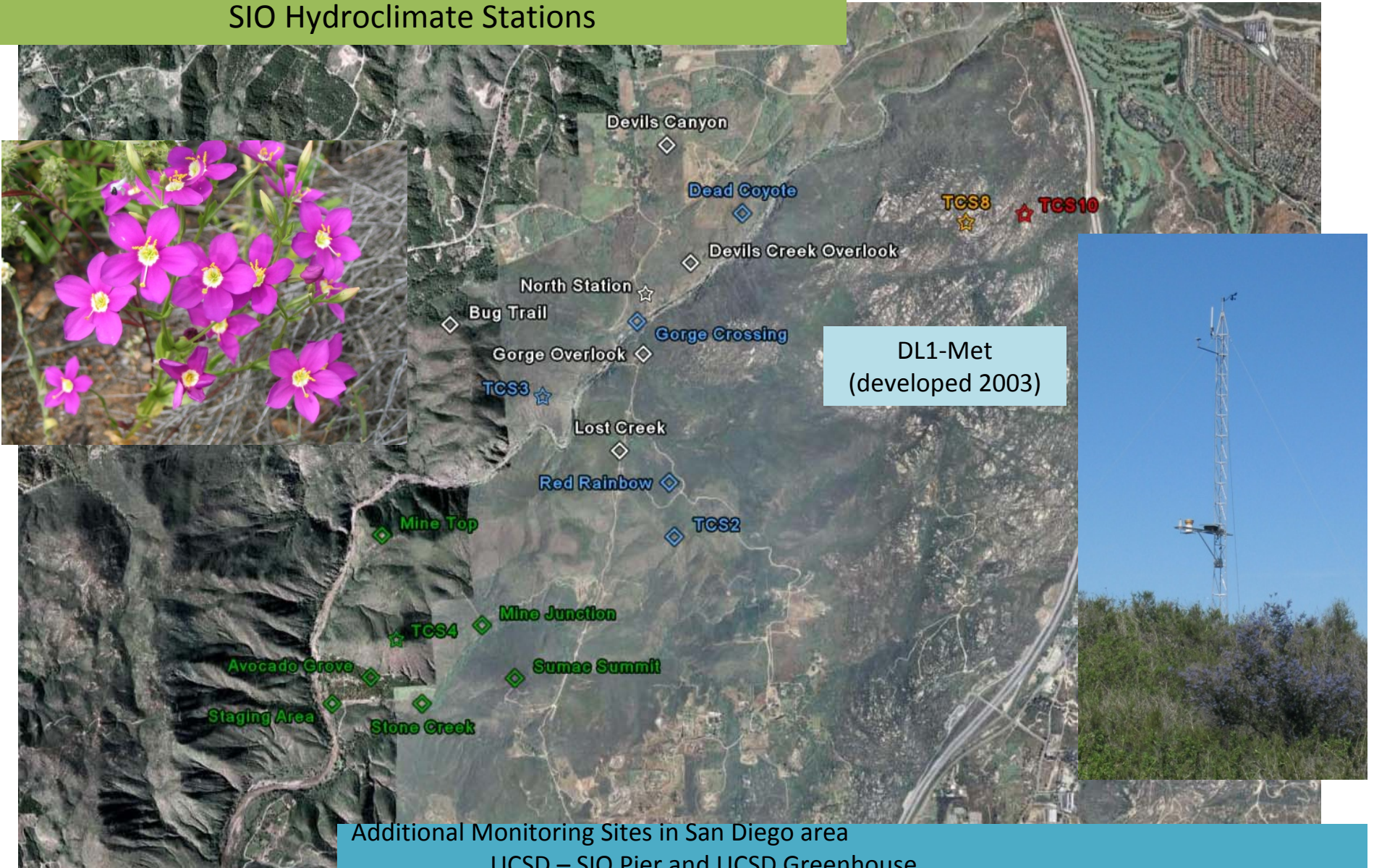
Thanks to our Sponsors



National Science Foundation
WHERE DISCOVERIES BEGIN

Santa Margarita Ecological Reserve (SMER)

SIO Hydroclimate Stations



Additional Monitoring Sites in San Diego area

UCSD – SIO Pier and UCSD Greenhouse

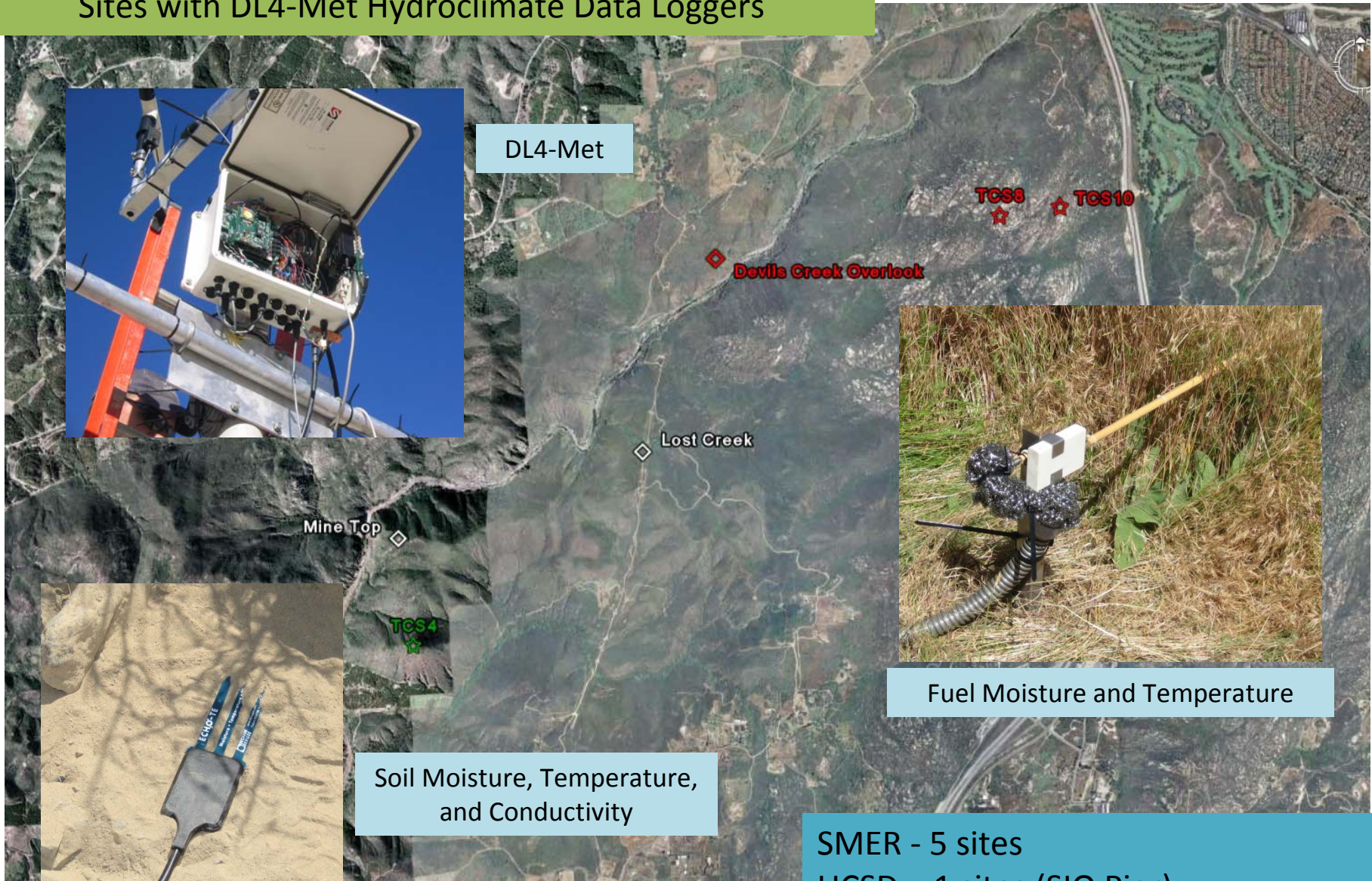
Camp Pendleton – MCTSSA, confluence of De Luz and Santa Margarita Rivers
(pending)

Santa Margarita Ecological Reserve (SMER)

Sites with DL4-Met Hydroclimate Data Loggers



DL4-Met



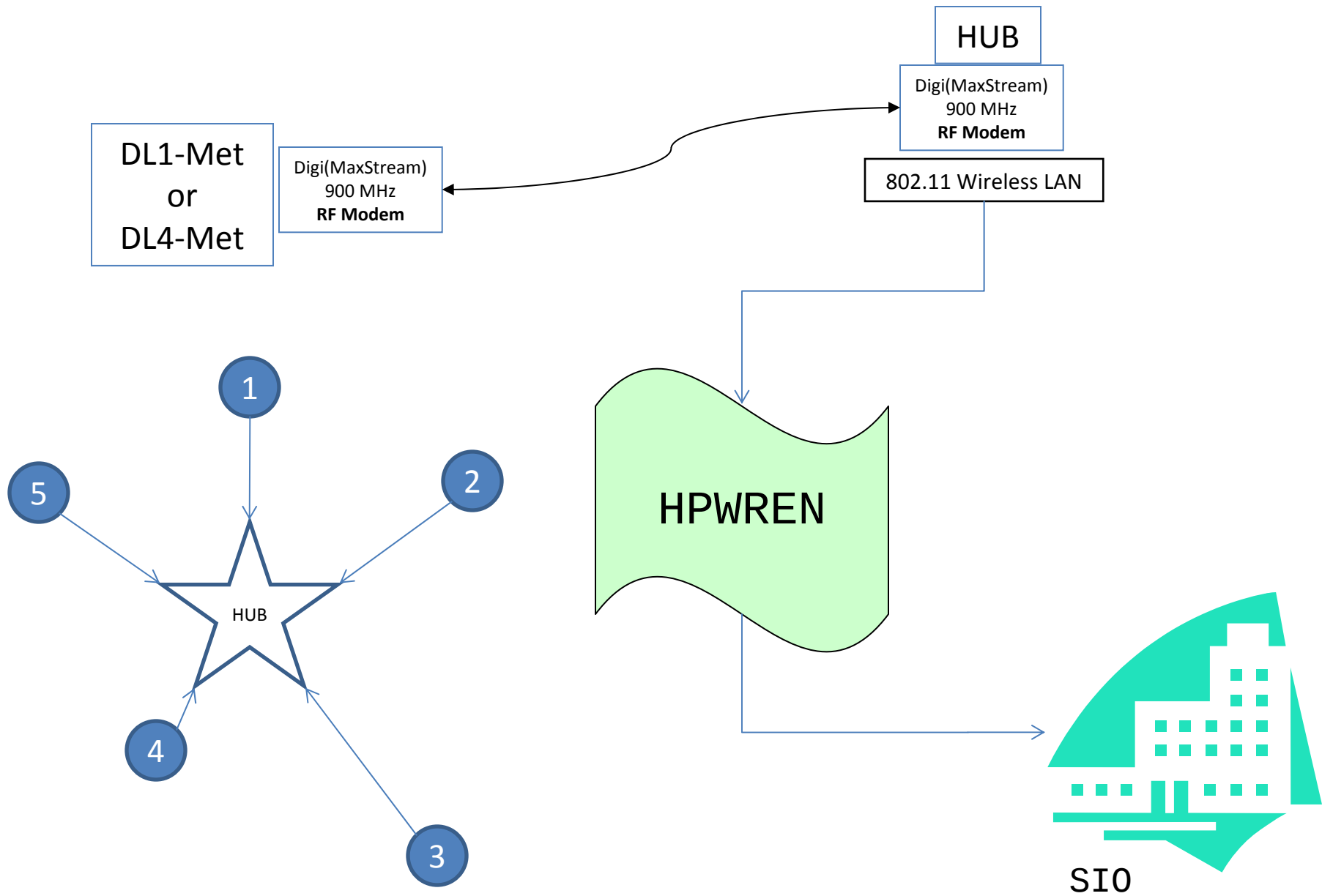
Fuel Moisture and Temperature



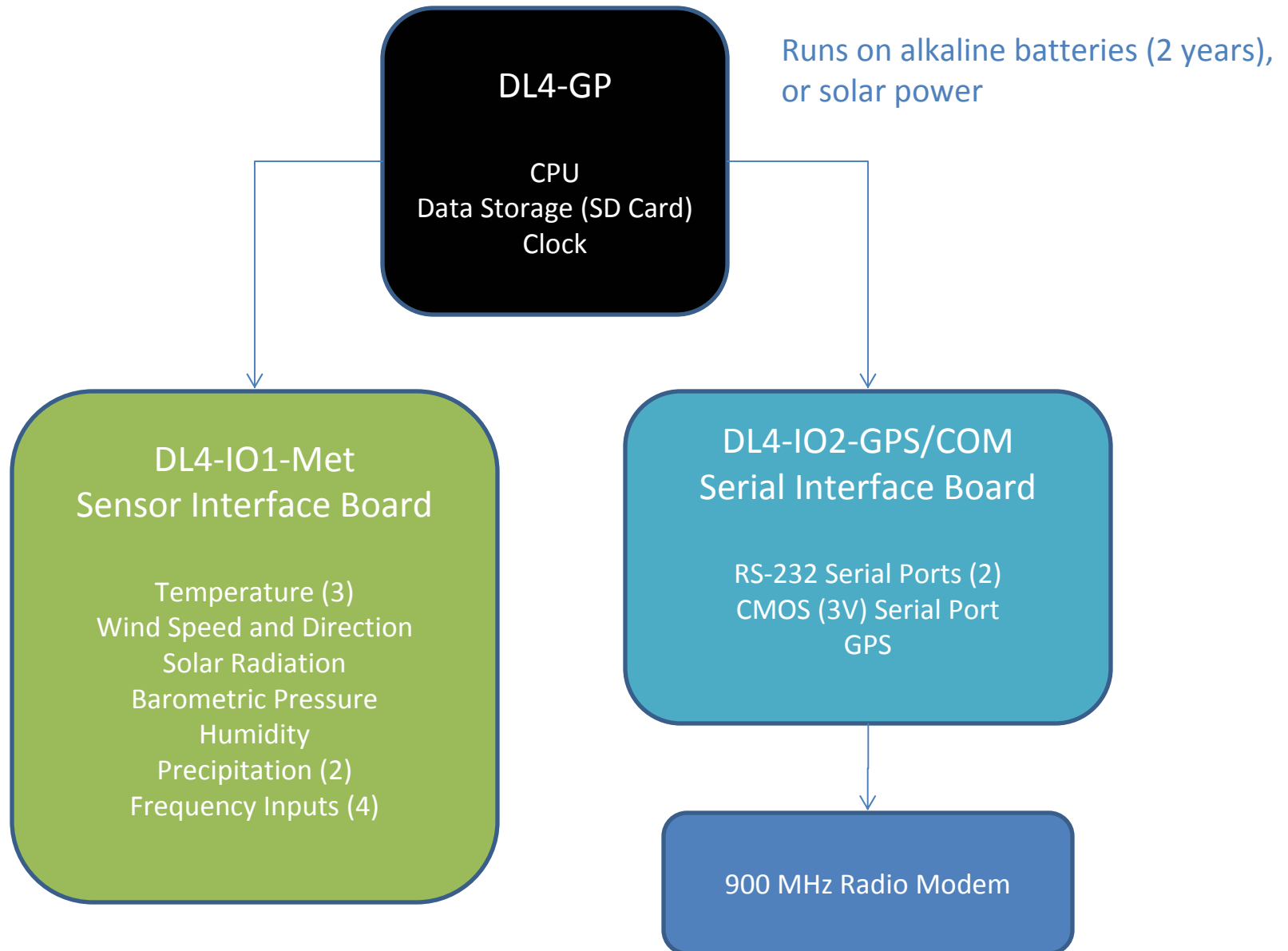
Soil Moisture, Temperature,
and Conductivity

SMER - 5 sites
UCSD - 1 sites (SIO Pier)

Network Link



DL4-Met Hydroclimate Data Logger



Mountain Climate Monitoring Network

Dan Cayan and Douglas Alden: Scripps Institution of Oceanography



Piute Mountain (center). Piute Creek runs through the shaded canyon (right center) and the west ridge runs right up the center of the photo from valley floor to the peak.



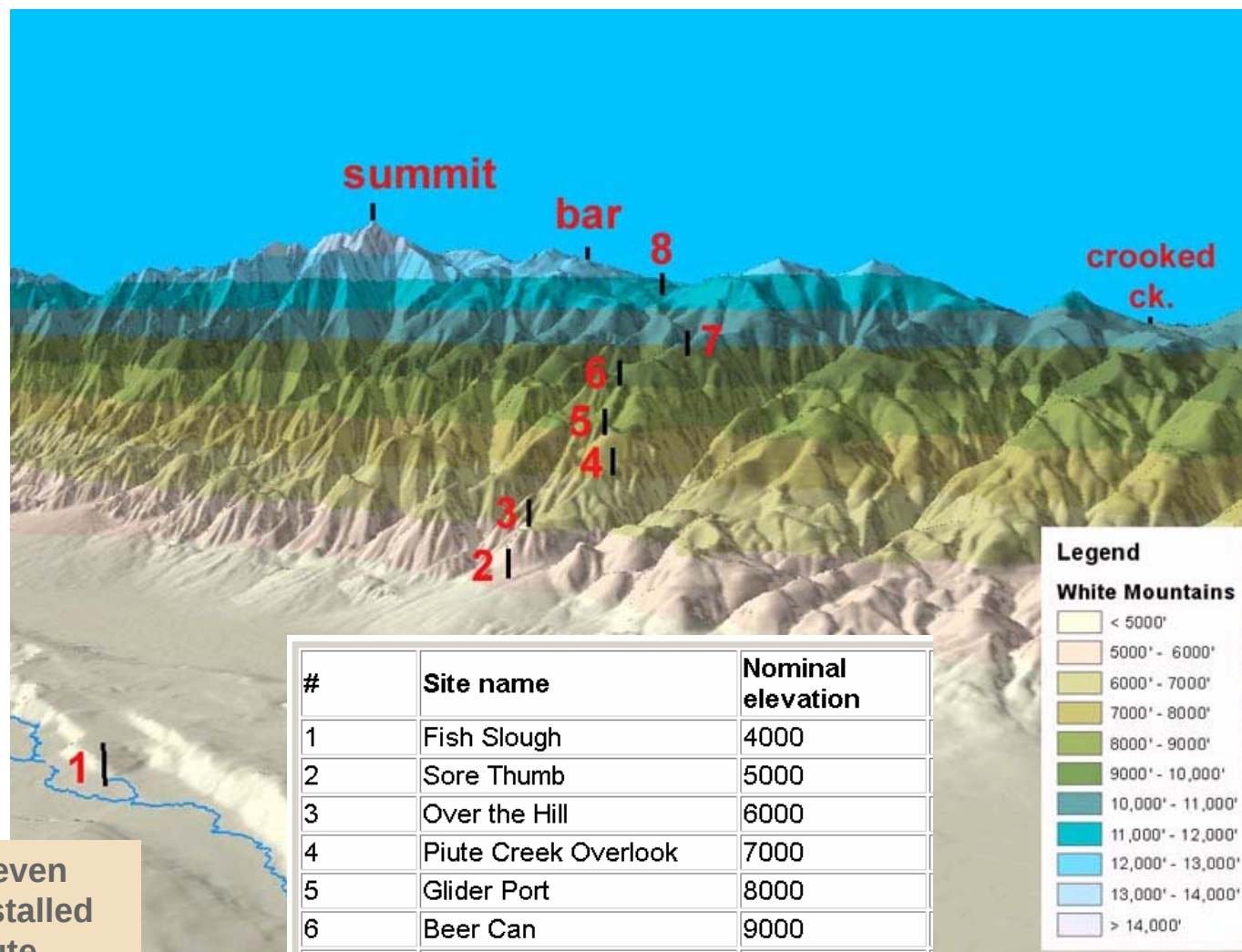
**“Over the Hill”
station located
at 6100' (1860m)**



**DL4-Met installed on tower
in White Mountains
(site 39; Beer Can; 2743m; 9000 ft.)**

Mountain Climate Monitoring Network

Dan Cayan and Douglas Alden: Scripps Institution of Oceanography

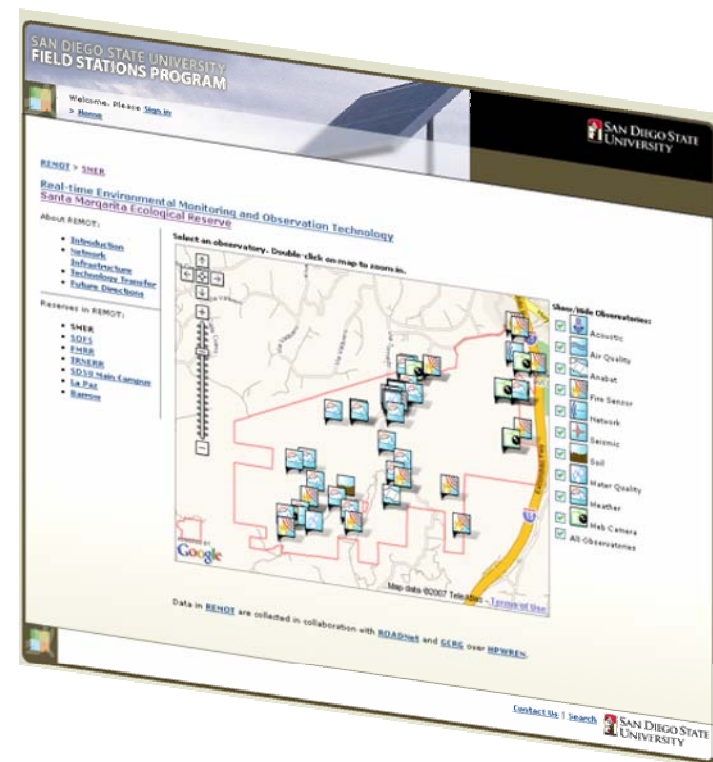


Fall, 2006: Seven
DL4-Mets installed
along the Piute
Creek drainage in
the White
Mountains

#	Site name	Nominal elevation
1	Fish Slough	4000
2	Sore Thumb	5000
3	Over the Hill	6000
4	Piute Creek Overlook	7000
5	Glider Port	8000
6	Beer Can	9000
7	Valley View	10000
8	Unnamed	11000
bar	Barcroft *	12500
summit	Summit *	14250

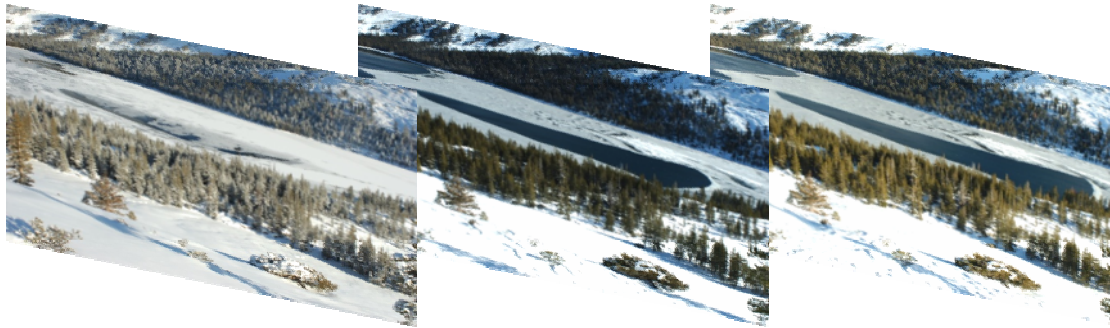
Data on the Web

- Scripps Hydroclimate Weather Observation Program
<http://hcn.ucsd.edu>
- Real-time Ecological Monitoring and Observation Technology
<http://fs.sdsu.edu/kf/remot2>



Other Uses of DL4

- Time-Lapse Camera System
 - Nikon D2Hs
 - Two images per day



- Stream Gage Logger
 - Polls Solinst Levelogger and transmits data



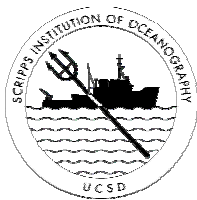
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