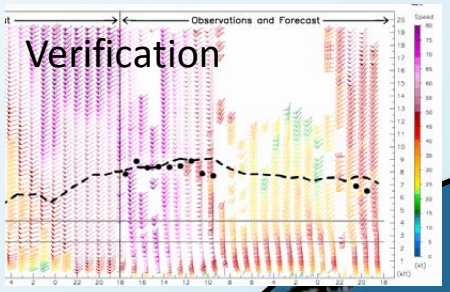
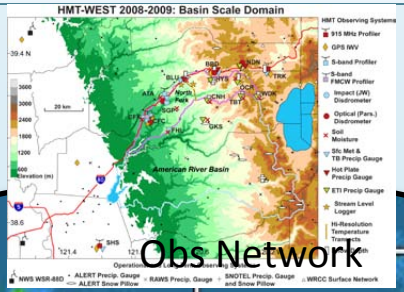
NOAA's Hydrometeorology Testbed "HMT"

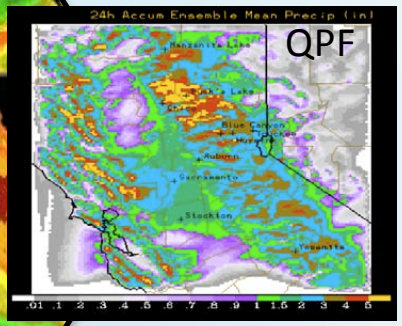
Tim Schneider

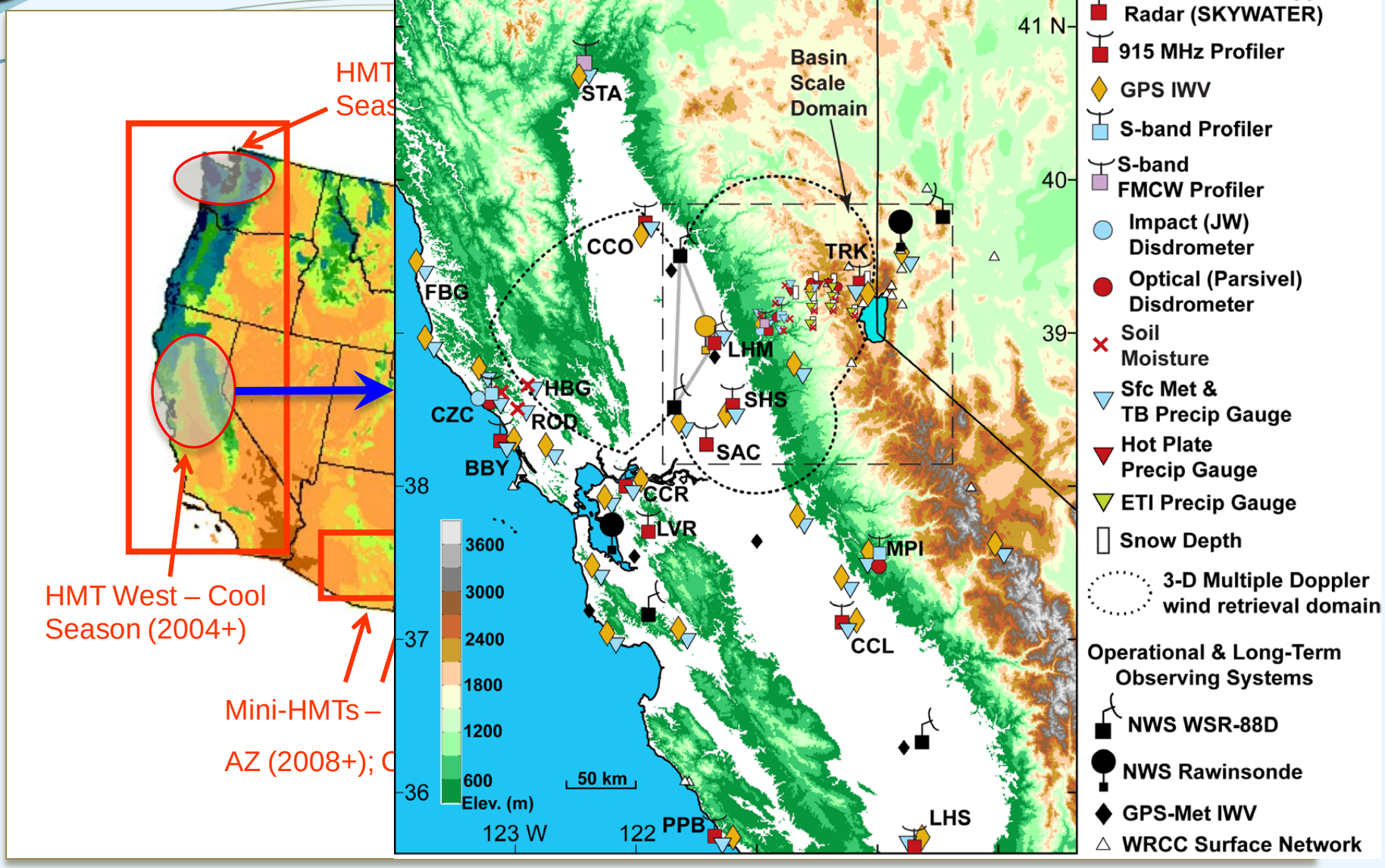
http://hmt.noaa.gov/

HMT's Major Activity Areas








HMT-WEST 2010: Regional Scale Domain
HMT
Seas
HMT West – Cool Season (2004+)
Mini-HMTs –
AZ (2008+); C
Basin Scale Domain
STA
CCO
TRK
FBG
LHM
HBG
SHS
CZC
ROD
SAC
BBY
CCR
LVR
MPI
CCL
LHS
PPB
3600
3000
2400
1800
1200
600
Elev. (m)
50 km
121
119
41 N
40
39
38
37
36
123 W
122
HMT Observing Systems
ESRL C-band Doppler Radar (SKYWATER)
915 MHz Profiler
GPS IWV
S-band Profiler
S-band FMCW Profiler
Impact (JW) Disdrometer
Optical (Parsivel) Disdrometer
Soil Moisture
Sfc Met & TB Precip Gauge
Hot Plate Precip Gauge
ETI Precip Gauge
Snow Depth
3-D Multiple Doppler wind retrieval domain
Operational & Long-Term Observing Systems
NWS WSR-88D
NWS Rawinsonde
GPS-Met IWV
WRCC Surface Network