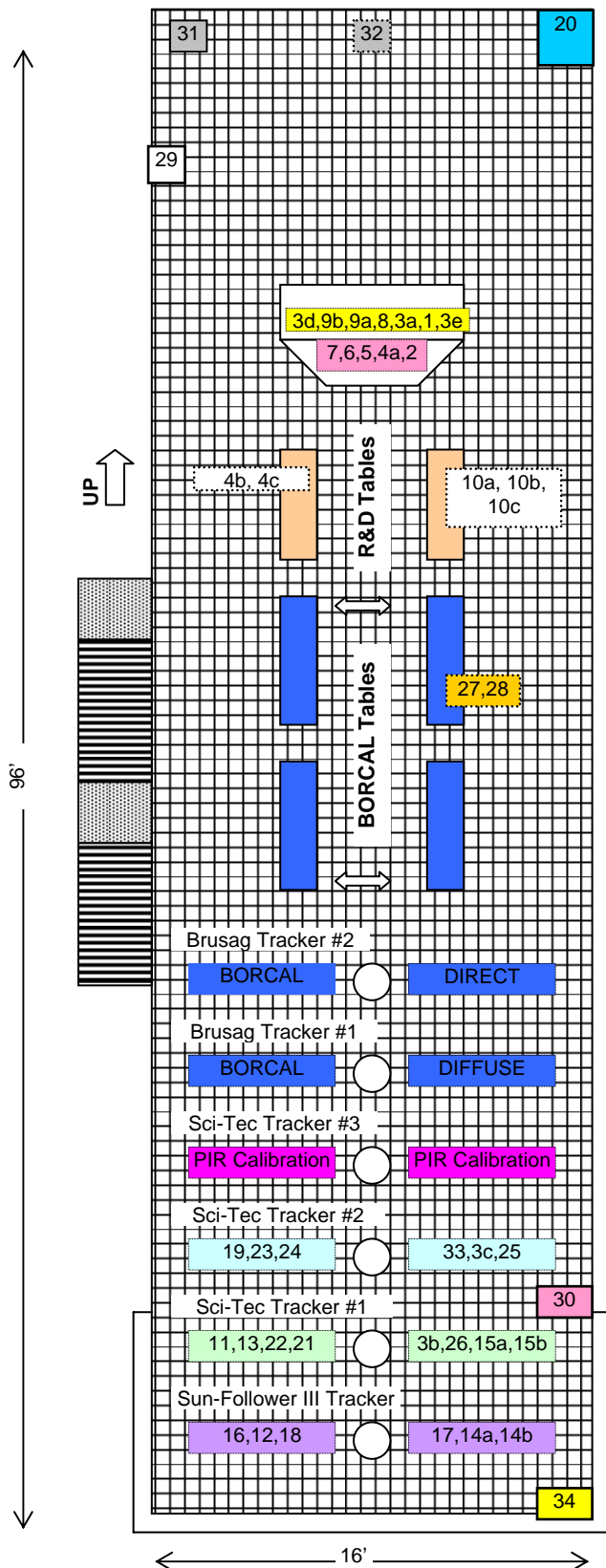


SRRL Instrument Platform

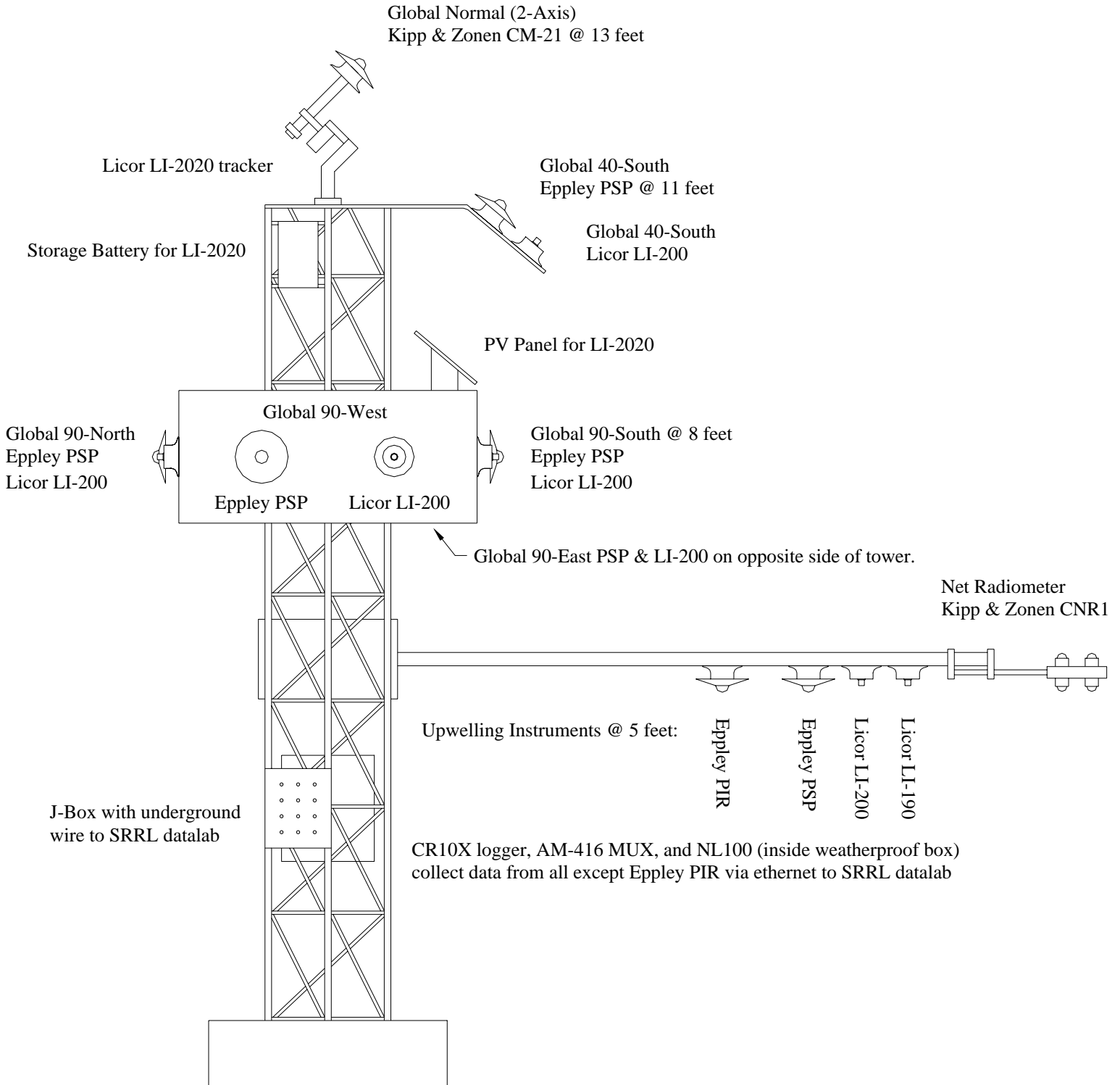


BORCAL = Broadband Outdoor Radiometer CALibration

- 1 Global – PSP Not Ventilated
- 2 Global – PSP Ventilated
- 3a Global – Silicon (LI-200) Primary
- 3b Global – Silicon (LI-200) Secondary
- 3c Global – LI-190 Quantum (PAR)
- 3d Global – Silicon Kipp SPLite
- 3e Global – Kipp CM6b
- 4a Global – PSP RG780 Ventilated
- 4b/c Global – YES; 4b=TSP-700, 4c=TSP-1
- 5 Total UV – Eppley TUVR
- 6 UVB – YES UVB-1 w/detector temp
- 7 UVB – Solar Light w/detector temp
- 8 UVB – EKO MS-210W
- 9a UVA – Kipp CUVA1 w/detector temp
- 9b UVB – Kipp CUVB1 w/detector temp
- 10a UVA – Kipp UV-SAT w/detector temp
- 10b UVB – Kipp UV-SBT w/detector temp
- 10c Global – CM-22 (Ventilated)
- 11 Spectral –Direct (LI-1800 w/fiber optic)
- 12 Direct – Primary NIP
- 13 Direct – Secondary NIP
- 14a Direct – RG780 NIP
- 14b Direct – Silicon LI-201
- 15a Direct – UV EPLAB TUVR
- 15b Direct – Kipp CH1
- 16 Direct – UVA Kipp CUVA2 w/detector T
- 17 Direct – UVB Kipp CUVB2 w/detector T
- 18 Direct – 500 nm (Ted’s photometer)
- 19 Direct – 4 Chl EKO Photometer
- 20 Diffuse – PSP Shadowband (No Vent)
- 21 Diffuse – PSP Tracking Disk (Ventilated)
- 22 Diffuse – 8-48 Tracking Disk (Ventilated)
- 23 Diffuse – CM-22 Track Disk (Ventilated)
- 24 Diffuse – UVB – YES UVB-1 /w temp
- 25 IR Down – CG4 Track Disk (Ventilated)
- 26 IR Down – PIR Track Disk (Ventilated)
- 27 Deck Temperature (HMP-45C)
- 28 Deck Relative Humidity (HMP-45C)
- 29 Total Sky Imager – YES TSI-880
- 30 Sky Camera - Afshin
- 31,32 Rotating Shadowband Pyranometers
- 33 AOCS (photometer head)
- 34 AOCS pyranometers & quantum sensors

SRRL Baseline Measurement System

Radiometer Tower



SRRL Baseline Measurement System Meteorological Tower

46 foot NRG TallTower

Wind Direction @ 42 feet
NRG #200P



Wind Speed @ 42 feet
NRG #40

Wind Direction @ 22 feet
NRG #200P



Wind Speed @ 22 feet
NRG #40

Wind Speed @ 10 feet
NRG #40

Temp & RH @ 2 meters
HMP-45C

Antenna
FreeWave 900 Mhz wireless

Pressure @ 2 meters
Vaisala PTB101B

Precipitation Gauge
TRP525I

CR10X datalogger
Campbell Scientific, Inc.
(inside weatherproof box)

