CLPX Main Meteorological Tower

Lightning Rod

Southwest Windpower Air403 Wind Generator

Predominant Wind Direction is from the West

Upper Instrument Height = 10 m

RM Young #05103 Wind Monitor

Vaisala HMP45C Temp/RH Sensor

CSI ENC 36/38 Control Enclosure
(CSI CR10X-XT Datalogger)
(CSI AM25T Thermocouple Multiplexer)
(CSI CS105 Barometric Pressure Sensor)

KZ CNR1 W/ Ventilation
KZ NRLite W/ Ventilation
(Ventilators not shown)

105W Solar Panel

KZ = CNR1 w/ Ventilation
KZ = NRLite w/ Ventilation

Judd Ultrasonic Snow Depth Sensor

Lower Instrument Height is Variable
Nominally 1 m above expected snow depth

Apogee Extended Temperature IRTS-P Thermocouple Transducer

RM Young #05103 Wind Monitor

105W Solar Panel

Ht = 21'

Thermal Watertight Battery Enclosure
(Deep-cycle Gel-Cell Battery)

Thermocouple String

Vitel Hydra Soil Moisture/Temperature 5-cm, 20-cm, 50-cm

Solid Copper Lightning Plates
CLPX Main Meteorological Tower

Predominant Wind Direction is from the West

8' x 1.5"OD Lightning Rod

KZ CNR1 w/ Ventilation

KZ NRELite w/ Ventilation
(Ventilators not shown)

Ventilators attach to radiometer mounting rod.

30SW Solar Panel

CSI 237-L Leaf Wetness Sensor

Thermal Watertight Battery Enclosure sited -1 beneath Logger Enclosure

Belfort Precipitation Gage 5-m due East of Tower (present in North Park ISA's only)

Judd Ultrasonic Snow Depth Sensor

Rings show rotation path.

RM Young #05303 Wind Monitors

Inner Ring: FOV at 1-m Height

Outer Ring: FOV at 2-m Height

Apogee Extended Temperature IRTS-P5 Thermocouple Transducer

Vaisala HMP45C Temp/RH Sensors

8' x 15"OD