

Radar parameter	Value
Transmitted frequency	50 MHz
Antenna array	24×24 three-element Yagi
Antenna gain	33 dB
Transmitter peak power	172.8 kW
Code	16-bit complementary
No. coherent integrations	128
No. fast Fourier transform points	256
No. spectral average	10
Pulse repetition period	$160 \mu\text{s}$
Half power beam width	3.2°
Pulse length	$1 \mu\text{s}$
Range resolution	150 m
Temporal resolution	30 min
Off-zenith angle	15°