

EOS Radar Sensor - Telemetry Resources

Telemetry Resources - Group 0x01

Key	ID	Type	Default	Min	Max	Unit	Description
is_alarm	17	integer	0	0	255	bitfield	Alarm flags and user action bits
r_ok	18	integer	0	0	1	bool	Radar acquisition status
r_peaks	19	integer	0	0	3	count	Number of radar peaks found
rd0	20	float	0.0	0.0	5.0	m	Radar peak 1 distance
ra0	21	integer	0	-100	100	dBsm	Radar peak 1 RCS/amplitude
rd1	22	float	0.0	0.0	5.0	m	Radar peak 2 distance
ra1	23	integer	0	-100	100	dBsm	Radar peak 2 RCS/amplitude
rd2	24	float	0.0	0.0	5.0	m	Radar peak 3 distance
ra2	25	integer	0	-100	100	dBsm	Radar peak 3 RCS/amplitude
temp	26	integer	0	-40	125	degC	Internal temperature
batt	27	integer	0	0	100	%	Battery capacity
vbat	28	float	0.0	0.0	10.0	V	Battery voltage
ornt	29	integer	0	0	4	enum	Orientation; currently used values are 0 = vertical, 1 = face up, 2 = face down
angl	30	integer	0	0	180	deg	Tilt angle

Alarm flags in is_alarm

Bit(s)	Mask	Meaning
0	0x01	Opening alarm
1	0x02	Vandalism alarm
2	0x04	Reserved / currently unused
3	0x08	Radar delta alarm
4	0x10	Radar min/full alarm
5	0x20	Radar max/empty alarm
6..7	0xC0	User action: 0 = none, 1 = activation, 2 = configuration, 3 = user trigger