

APPENDIX B - MOUNT SPECIFIC DATA
For
VERTEX 1.8 SMK-LT

1.2 Mount Models

DESIGNATION	MODEL
V8	1.8 m. SMK-LT

1.3.2 System Interface Requirements

All mounts in the Vertex family follow the standard RC3000 interface requirements.

2.1.4 Inclinometer Orientation

The inclinometer should be rigged with the face of the reflector vertical.

2.3.2 Elevation Reference Position

MODEL	VOLTAGE	OFFSET ANGLE
V8	1.69	18.8

3.3.1.2 Reset Defaults

The following table supplies the default configuration item values for each model of mount. Space has also been provided to record installation specific changes to the configuration items. Note: recording of installation specific changes to defaults may prove valuable when trying to restore system configuration.

CONFIGURATION ITEM	V8INSTALL VALUE
SYSTEM DEFINITION	
GPS	1
Compass	1
Mode	2
Waveguide	0
antenna_size_cm	180
AZIMUTH CALIBRATION	
Zero Voltage	2.50
Azim_offset	0.0
ccw_azim_limit	135
Cw_azim_limit	145
Azim_Scale_Factor	56.25
ELEVATION CALIBRATION	
Zero Voltage	1.69
Elev_offset	0.0
Up_elev_limit	90
Down_elev_limit	0
Elevation_Scale_Factor	50.00
Elevation_look_configuration	1
POLARIZATION CAL	
Zero Voltage	2.50
Polarization_Offset	0.0
CW Polarization Limit	90.0
CCW Polarization Limit	90.0
Pol_Scale_Factor	
Polarization_type	2
H/V_Reference	1
Default Horizontal Position	-45.0
Default Vertical Position	45.0
Pol_Automove_Enable	1
SIGNAL PARAMETERS	
Channel 1 Polarity	1
Channel 1 Threshold	100
Channel 1 Delay	0.1
Channel 1 Lock Type	0
Channel 2 Polarity	1
Channel 2 Threshold	100
Channel 2 Delay	0.1
Channel 2 Lock Type	0
AUTOPEAK	
Autopeak Enabled	0
Signal Source	1
RF Band	1
Spiral Search AZ Limit	3
Spiral Search EL Limit	3
Spiral Signal Threshold	200
Scan Range Limit	8
Scan Signal Threshold	200

CONFIGURATION ITEM	V8INSTALL VALUE
AZIMUTH POT DRIVE	
Fast/Slow Threshold	1.5
Maximum Position Error	0.20
Coast Threshold	0.1
Maximum Retry Count	3
AZIMUTH PULSE DRIVE	
Pulse Scale Factor	2406
CW Pulse Limit	64000
CCW Pulse Limit	100
Fast/Slow Threshold	50
Maximum Position Error	0
Coast Threshold	3
Maximum Retry Count	3
AZIM DRIVE MONITORING	
Jam Slop	1
Runaway Slop	400
Fast Deadband	1000
Slow Deadband	500
ELEV POT DRIVE	
Fast/Slow Threshold	1.5
Maximum Position Error	0.2
Coast Threshold	0.4
Maximum Retry Count	3
ELEV PULSE DRIVE	
Pulse Scale Factor	1646
UP Pulse Limit	64000
Down Pulse Limit	100
Fast/Slow Threshold	50
Maximum Position Error	0
Coast Threshold	3
Maximum Retry Count	3
ELEV DRIVE MONITORING	
Jam Slop	1
Runaway Slop	200
Fast Deadband	1000
Slow Deadband	500
POL POT DRIVE	
Fast/Slow Threshold	2.0
Maximum Position Error	0.5
Coast Threshold	0.3
Maximum Retry Count	3
POL DRIVE MONITORING	
Jam Slop	1
Runaway Slop	200
Fast Deadband	1000
Slow Deadband	500

CONFIGURATION ITEM	V8	INSTALL VALUE
TRACK		
Search Enable	0	
Max Track Error	3	
Search Width	4	
Peakup Holdoff Time	120	
Track Signal Source	2	
Signal Sample Time	2	
REMOTE CONTROL		
Remote Enabled	1	
Bus Address	50	
Baud Rate	6	
STOW / DEPLOY		
AZ STOW	0.0	
EL STOW	-67.5	
PL STOW	0.0	
AZ DEPLOY	0.0	
EL DEPLOY	18.8	
PL DEPLOY	0.0	
PL ENABLED	0	

