

APPENDIX B - MOUNT SPECIFIC DATA

For SVS Telekom 1.8 m.

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Software: 1.56

This appendix describes RC3000 operations unique for the SVS Telekom 1.8 m. mount. Differences between this version and the operation described in the "baseline" RC3000 manual are noted on a paragraph by paragraph basis.

1.1 Manual Organization

This appendix is provided as a supplement to the baseline RC3000 manual.

1.2 Mount Model

DESIGNATION	MODEL
B3	SVS Telekom 1.8 m.

1.3.2 System Interface Requirements

This follows the standard RC3000 interface requirements.

2.1.4 Inclinator Orientation

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

2.3.2 Elevation Reference Position

MODEL	VOLTAGE	OFFSET ANGLE
B3	1.69	21.0

3.3.1.2 Reset Defaults

The following table supplies the default configuration item values for this 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	B3	INSTALL VALUE
SYSTEM DEFINITION		
antenna_size_cm	180	
AZIMUTH CALIBRATION		
Zero Voltage	2.50	
Azim_offset	0.0	
ccw_azim_limit	180	
Cw_azim_limit	180	
Azim_Scale_Factor	155.0	
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	155.0	
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	5	
Spiral Search EL Limit	5	
Spiral Signal Threshold	200	
Scan Range Limit	10	
Scan Signal Threshold	200	

CONFIGURATION ITEM	B3		INSTALL VALUE
AZIMUTH POT DRIVE			
Fast/Slow Threshold	2.5		
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	1		
Coast Threshold	5		
Maximum Retry Count	3		
AZIM DRIVE MONITORING			
Jam Slop	1		
Runaway Slop	200		
Fast Deadband	1000		
Slow Deadband	500		
ELEV POT DRIVE			
Fast/Slow Threshold	2.0		
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	B3		INSTALL VALUE
TRACK			
Search Enable	0		
Max Track Error	3		
Search Width	4		
Peakup Holdoff Time	120		
Track Signal Source	SS1		
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	21.0		
PL DEPLOY	0.0		
PL ENABLED	3		