

## APPENDIX B - MOUNT SPECIFIC DATA

### For Sat-Comm 1.2m & 1.6m

Date: 8 Jan 2010

Software: 1.60

This appendix describes RC3000 operations unique for two Sat-Comm mounts. Differences between these versions 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 Models

DESIGNATION	Sat-Comm MODEL
B8	1.2 m.
B9	1.6 m.

#### 1.3.2 System Interface Requirements

The Sat-Comm mounts follow the standard RC3000 interface requirements with a few exceptions:

- 1) A software polarization "switch" will be mechanized at the -90 (+/- 2 degrees) position
- 2) No Elevation Up limit switch is present

#### 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
B8	1.69	14.65
B9	1.69	18.0

#### 2.3.4 Polarization Calibration

A software polarization limit switch will be mechanized at the -90 (+/- 2 degrees) position. Interlock logic will require that this "switch" be active in order for elevation to be allowed to move below the DOWN limit.

**NOTE: Care in centering the polarization potentiometer must be taken to ensure that a severed (open) polarization line will not be perceived as a polarization STOW condition. Damage to the mount may occur if the elevation axis is allowed to move towards the stow position without the polarization mechanism in a physically safe stow position. As part of calibration, confirm that an open potentiometer only appears as a CCW limit and not as a STOW (-90 +/- 2 degrees) limit.**





