Controlling the Mount!

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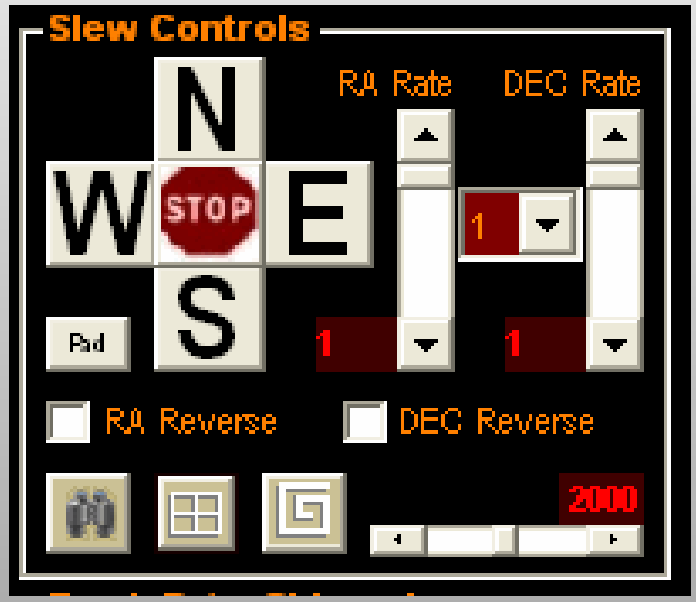
To Discuss the following:

- Slew Controls
- Slew Pad
- Keypad
- Game controller
- Parking/Unparking
- Limits
- Planetarium

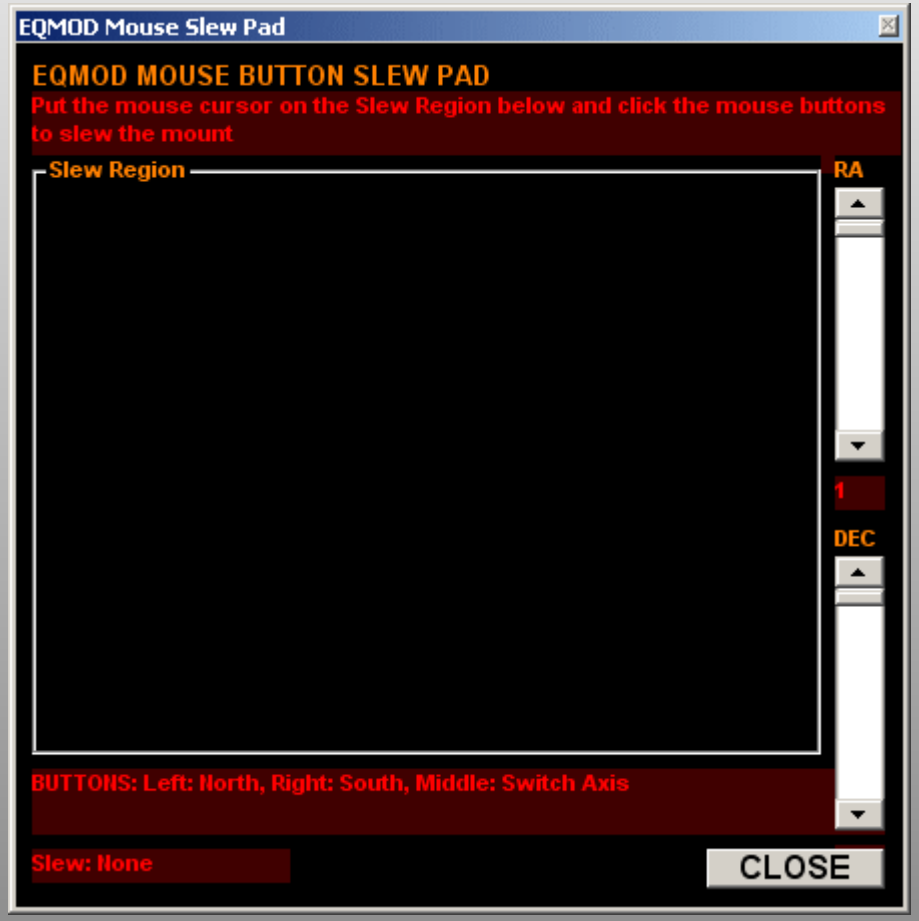
Slew Controls

- N,S,E,W, Stop
- RA Rate, DEC Rate
- Preset Rates
- Reverse RA / DEC
- Tour, Mosaic, Spiral
- Spiral Controls
- Control Pad



Slew Pad

- Requires 3 button Mouse
- Left: West/North
- Right: East/South
- Middle: Switch axis
- Mouse pointer anywhere in slew region



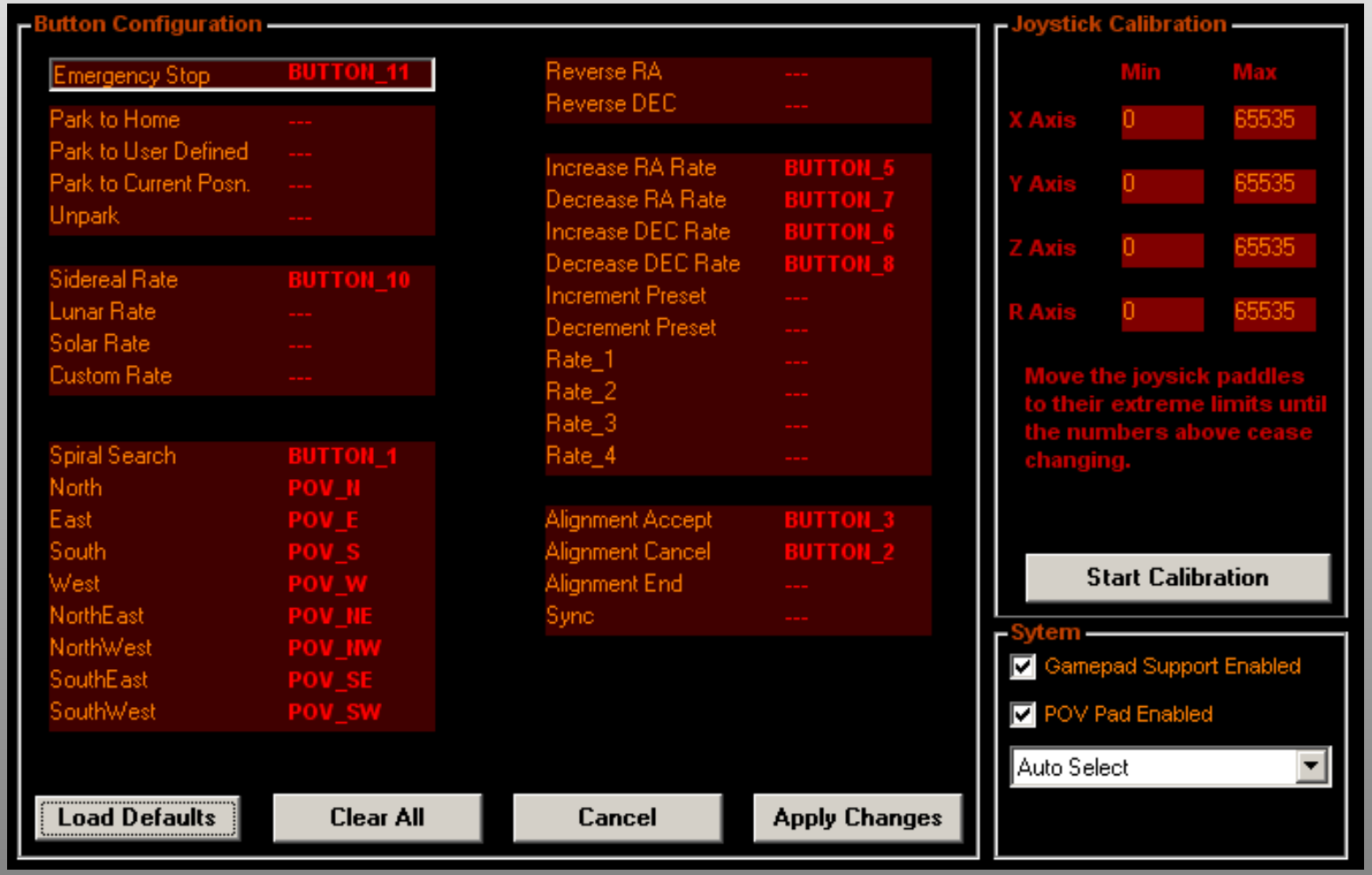
Keypad Slew Control

- Part of Slew Pad
- 7:NW | 8:N | 9:NE
- 4:W | 5:Stop | 6:E
- 1:SW | 2:S | 3:SE
- 0-Sidereal track
- Slew pad rates apply

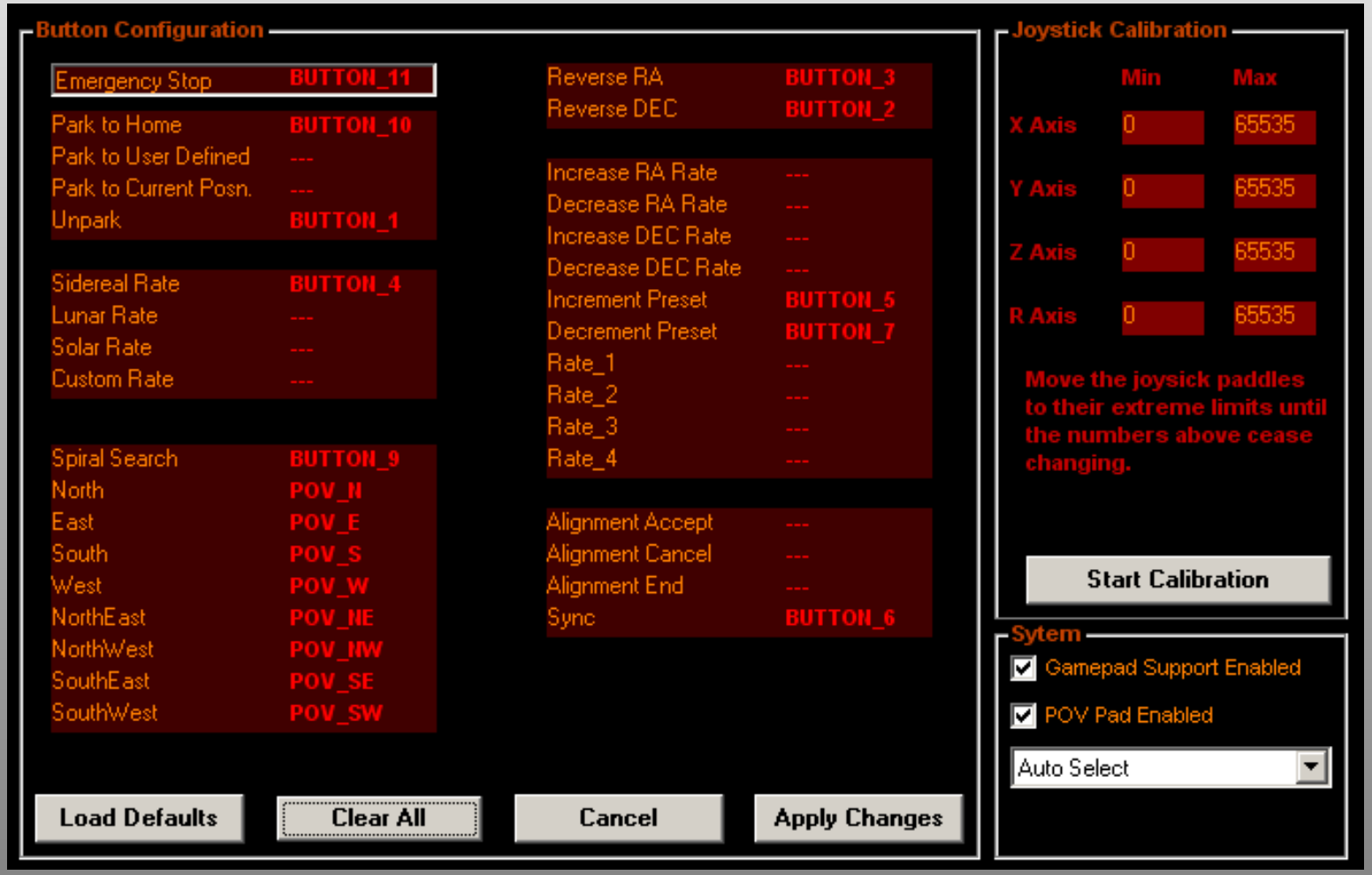
Arrow Keys also apply

Game Pad Controls

Default Game Pad Configuration

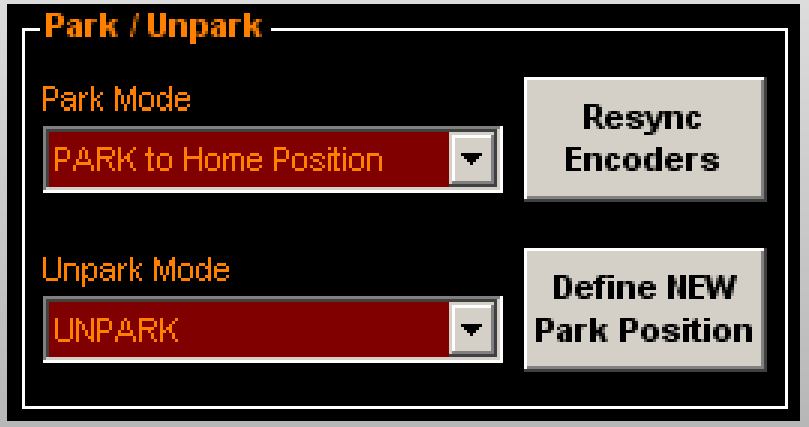


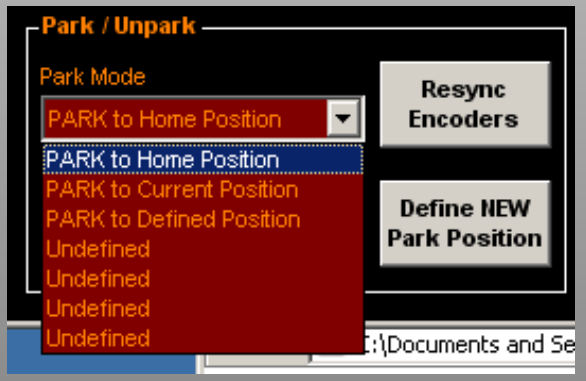
My Game Pad Configuration



Parking/Unparking?

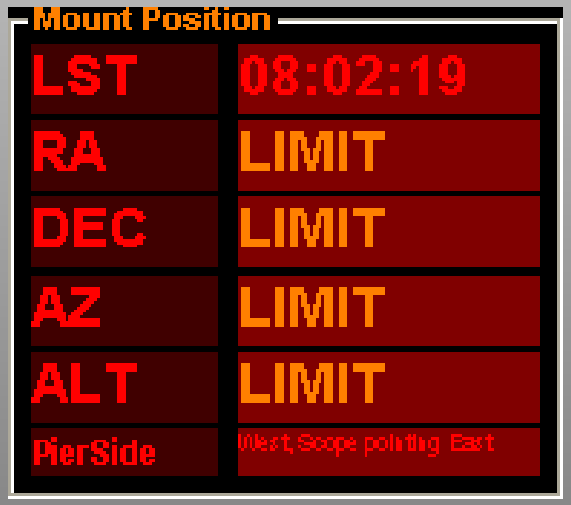
- Actions when parked/unparked.
- 7 park and unpark locations – user define.
- Park before power down.
- Resync if not.





Mount Limits

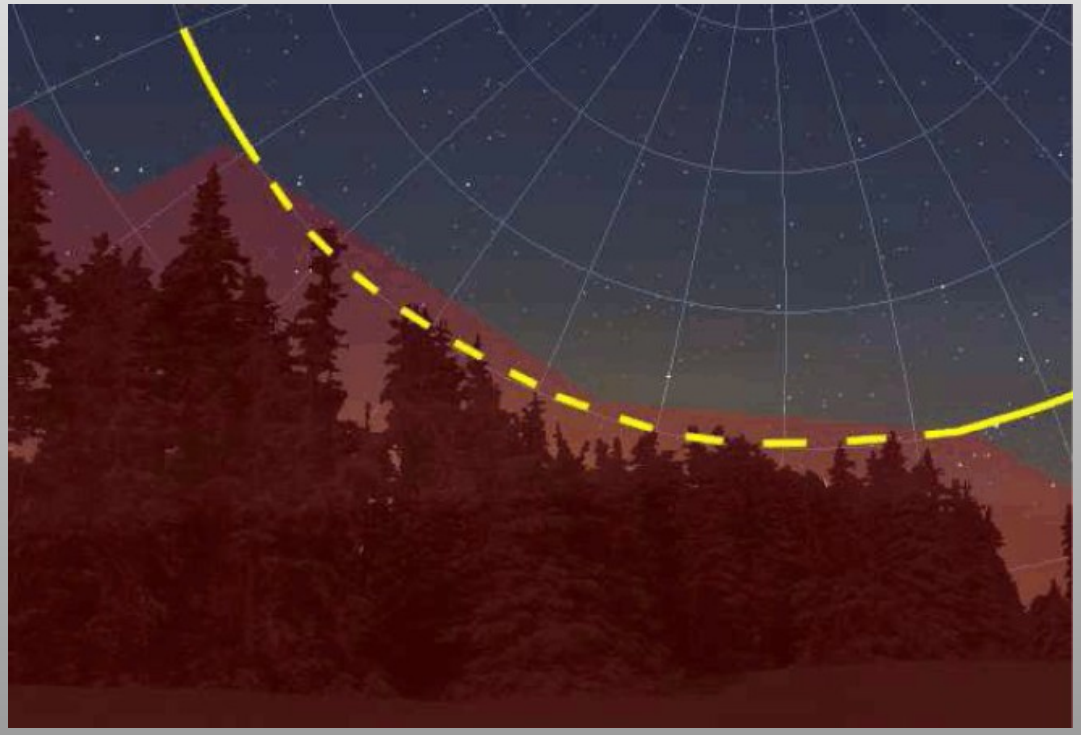
- Enabled in Setup area.
- Initial install can cause frustration with limits



Mount Limit Considerations

Why Have Limits?

- Horizon Shading
- Meridian flips



Limit Configuration

Limit Configuration

Meridian Limits

- Set by positioning the mount
- Affected by clutch locks and home position!
- One East, One West
- Does not account for DEC Position

Limit Configuration

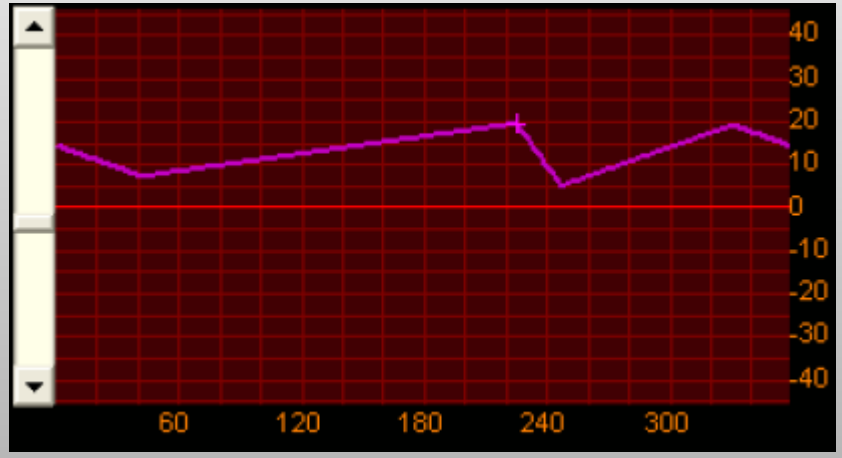
Horizon Limits

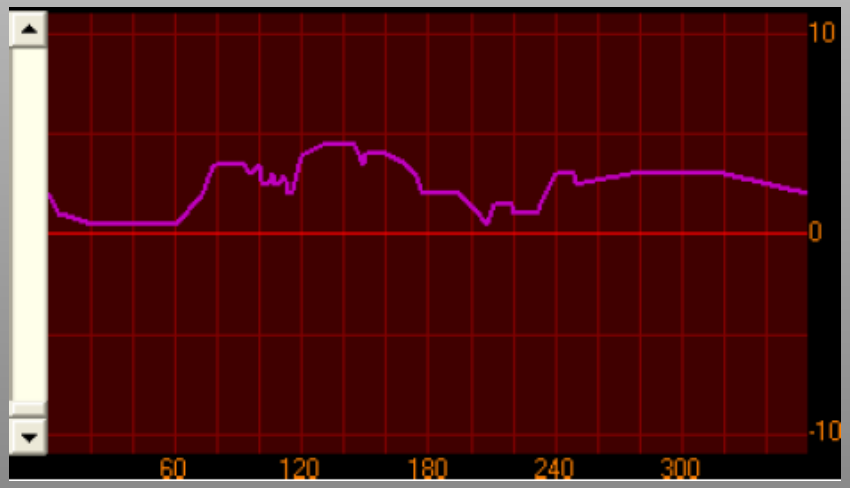
- Set by positioning the mount or entering values at bottom
- Points define limit profile
- A Single point defines the whole horizon

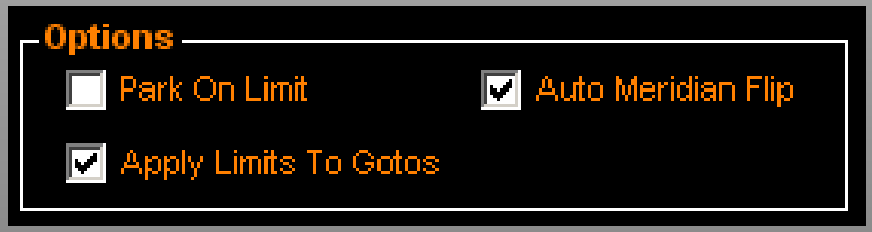
Limit Configuration

Horizon Limits

- Graph links the points together.
- Slider adjusts scale.
- Interpreted – follows line
- Greatest Alt – use higher limit on either side







Planetariums

- Stellarium with Stellarium Scope
- Cartes du Ceil / Sky Charts (CdC)
- Starry Night Pro
- The Sky
- Astro-Planner

Planetarium Considerations

- Same Location!!!: Latitude / Longitude
- Same Time: PC time used
- Same Epoch: J2000 or JNOW
- Check Memory usage! (Change Frame Rate)
- EQMOD manual: good instructions for CdC, HNSKY, Starry Night, StarCalc, Stellarium, The Sky

Planetarium Programs

YAHOO! GROUPS

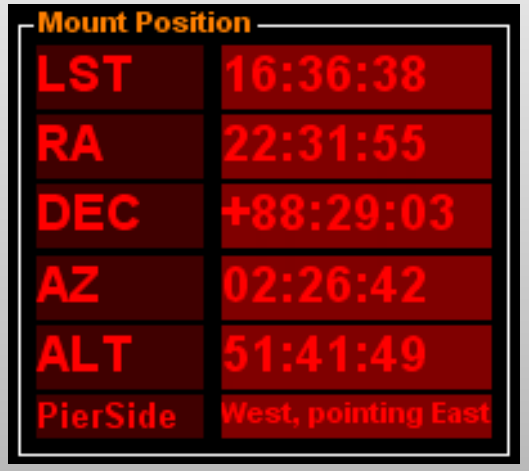
Name: Planetarium Epoch

Table Description: Record of which epoch various planetarium packages use

Planetarium Program	Version	Ephoch Used
Alignmaster	1.7	J2000
Astro-Planner	1.6, and 2-beta	J2000
C2A (Computer Aided Astronomy)	2.0.x	J2000 and JNOW selectable
EQTour	1.13	J2000 If Specified in file, can convert to JNOW
HNSKY (Hallo Northern Sky)	2.3.x	J2000
Prism		
Redshift	5	
Sky Charts (CdC)	2.76, 3.0	J2000 in Polar Projection, JNOW in Zenithal Projection
StarCalc	5.72	J2000
Stary Night Pro		J2000
Stellarium via stellarium scope	0.10.2 & SS2010-01-18	J2000 or JNOW user selected in Stellarium Scope
The Sky	6	J2000
Winstars	2.0	

Coordinate GoTo!

- Hidden Gem!
- Know the Coordinate?
- Right click RA or Dec



EQMOD Reference Docs!

- EQMOD doc.pdf
- game controllers.pdf
- planetarium epoch.pdf

Questions?