



Air Force Space Command Space and Missiles Systems Center (AFSPC/SMC)

Space Enterprise User Experience Design System (UXDS)

Wireframes For Telemetry, Tracking, and Command (TT&C) Service

March 29, 2019

- TTC Monitor
- TTC Command
- TTC Investigate
- Preferences
- Sign Out

Severity: All | Category: All

<input type="checkbox"/>	<input type="checkbox"/>	Severity	Message	Category	Time
▶	<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶	<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶	<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶	<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶	<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶	<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶	<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶	<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶	<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶	<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶	<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶	<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶	<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶	<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶	<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶	<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶	<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶	<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶	<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS

Acknowledge | Dismiss

Constellation

List | Timeline

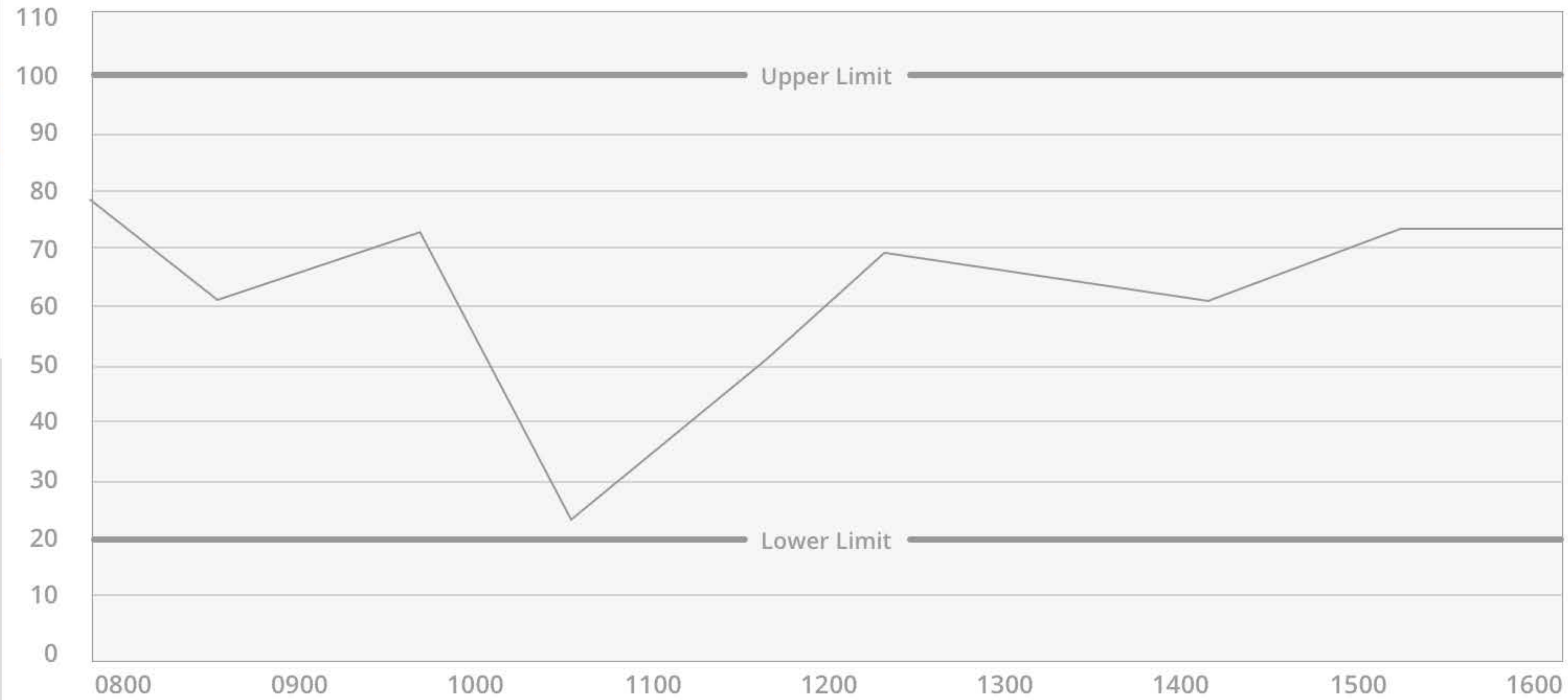
Satellite	Next Pass	AOS ↓	LOS	Ground Station	Azimuth	Elevation	State	Actions
◆ IRON 4090	255	HH:MM:SS	HH:MM:SS	◆ LION-A	-41.97°	88.12°	Pass	...
◆ ECHO 1100	255	HH:MM:SS	HH:MM:SS	◆ TIGER-B	153.16°	12.31°	Pre-Pass	...
◆ FOXI 3232	255	HH:MM:SS	HH:MM:SS	◆ JAGUAR-D	162.94°	41.22°	Scheduled	...
◆ GOLF 5602	255	HH:MM:SS	HH:MM:SS	◆ OCELOT-F	83.65°	73.61°	Scheduled	...
◆ HOTL 0002	255	HH:MM:SS	HH:MM:SS	◆ CHEETAH-O	201.09°	10.28°	Scheduled	...
◆ ALPH 6648	255	HH:MM:SS	HH:MM:SS	◆ TIGER-B	-19.03°	65.53°	Scheduled	...
◆ JULI 3309	255	HH:MM:SS	HH:MM:SS	◆ BEAR-E	265.98°	34.88°	Scheduled	...
◆ KILO 4684	255	HH:MM:SS	HH:MM:SS	◆ LION-A	185.31°	88.81°	Scheduled	...
◆ LIMA 2017	255	HH:MM:SS	HH:MM:SS	◆ JAGUAR-F	-22.92°	23.93°	Scheduled	...
◆ MIKE 7509	255	HH:MM:SS	HH:MM:SS	◆ OCELOT-F	132.22°	11.32°	Scheduled	...
◆ NOVB 4500	255	HH:MM:SS	HH:MM:SS	◆ TIGER-B	-11.27°	58.72°	Scheduled	...
◆ ALPH 6648	256	HH:MM:SS	HH:MM:SS	◆ PUMA-C	183.72°	81.23°	Complete	...
◆ BRAV 0210	256	HH:MM:SS	HH:MM:SS	◆ BEAR-E	-102.40°	19.49°	Complete	...
◆ CHAR 8518	256	HH:MM:SS	HH:MM:SS	◆ TIGER-B	151.51°	83.03°	Complete	...
◆ DELT 9091	256	HH:MM:SS	HH:MM:SS	◆ ABCD	244.66°	78.19°	Complete	...

Watcher

▼ IRON 4090

Mnemonic	Unit	Threshold	Actual
◆ PWST2IA	Volts	35.1	22.7 ⬆️
◆ PWST2IB	Volts	40.4	32.2 ⬇️
◆ PWHTR08PV	Deg	38.4	38.1 ⬆️
◆ PWST2VB	Deg	41.4	39.6 ⬆️

IRON 4090 PWST21A



25 Active Alerts

Severity: **All** | Category: **All**

<input type="checkbox"/>	Severity ↓	Message	Category	Time
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▼ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<p>Etiam consectetur mi velit, ac hendrerit enim viverra ut. Maecenas tincidunt est eu leo efficitur, ut vulputate turpis rhoncus.</p> <p>Investigate</p>				
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS

[Acknowledge](#) | [Dismiss](#)

Constellation

List | Timeline

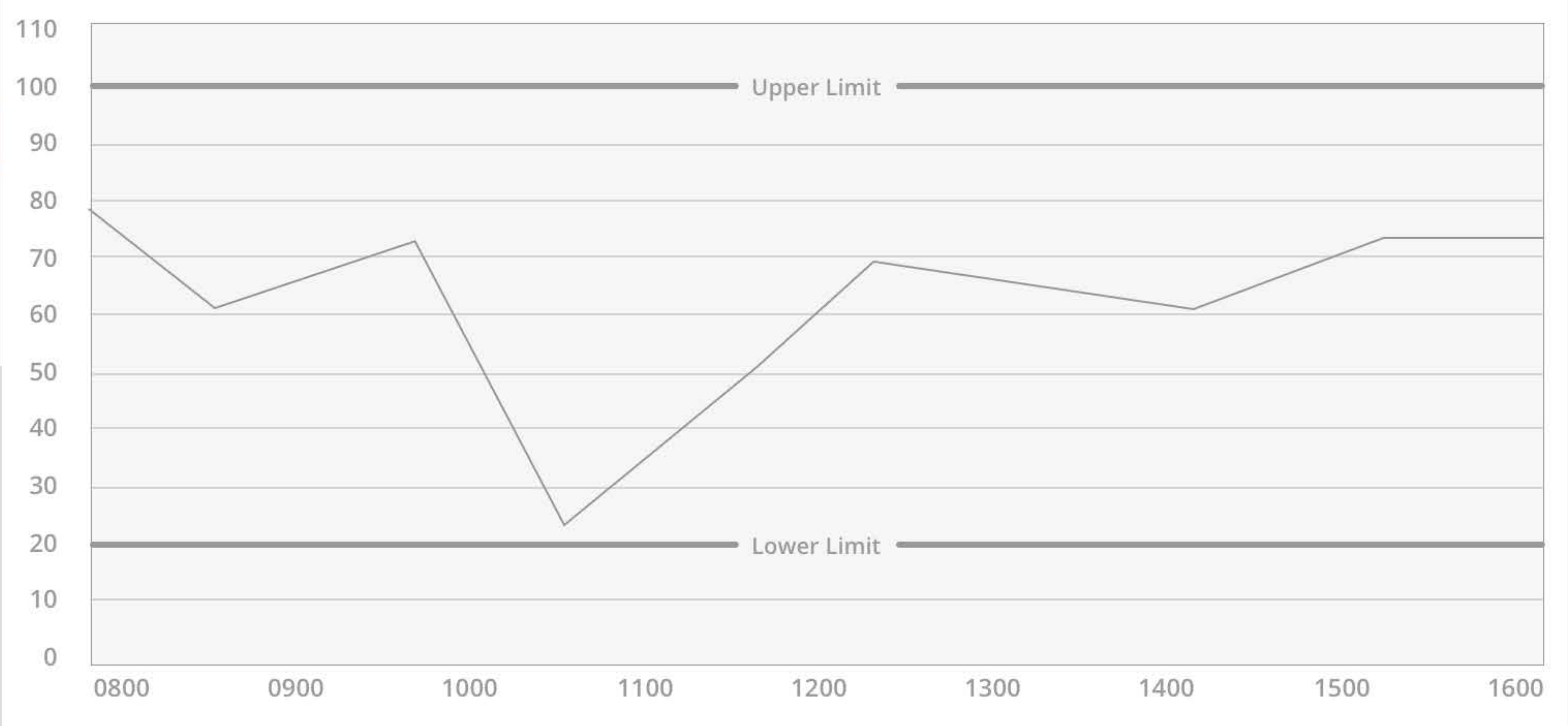
Satellite	Next Pass	AOS ↓	LOS	Ground Station	Azimuth	Elevation	State	Actions
◆ IRON 4090 ↗	255	HH:MM:SS	HH:MM:SS	◆ LION-A	-41.97	88.12°	Pass	...
◆ ECHO 1100 ↗	255	HH:MM:SS	HH:MM:SS	◆ TIGER-B	153.16°	12.31°	Pre-Pass	...
◆ FOXI 3232	255	HH:MM:SS	HH:MM:SS	◆ JAGUAR-D	162.94°	41.22°	Scheduled	...
◆ GOLF 5602	255	HH:MM:SS	HH:MM:SS	◆ OCELOT-F	83.65°	73.61°	Scheduled	...
◆ HOTL 0002	255	HH:MM:SS	HH:MM:SS	◆ CHEETAH-O	201.09°	10.28°	Scheduled	...
◆ ALPH 6648	255	HH:MM:SS	HH:MM:SS	◆ TIGER-B	-19.03°	65.53°	Scheduled	...
◆ JULI 3309	255	HH:MM:SS	HH:MM:SS	◆ BEAR-E	265.98°	34.88°	Scheduled	...
◆ KILO 4684	255	HH:MM:SS	HH:MM:SS	◆ LION-A	185.31°	88.81°	Scheduled	...
◆ LIMA 2017	255	HH:MM:SS	HH:MM:SS	◆ JAGUAR-F	-22.92°	23.93°	Scheduled	...
◆ MIKE 7509	255	HH:MM:SS	HH:MM:SS	◆ OCELOT-F	132.22°	11.32°	Scheduled	...
◆ NOVB 4500	255	HH:MM:SS	HH:MM:SS	◆ TIGER-B	-11.27°	58.72°	Scheduled	...
◆ ALPH 6648	256	HH:MM:SS	HH:MM:SS	◆ PUMA-C	183.72°	81.23°	Complete	...
◆ BRAV 0210	256	HH:MM:SS	HH:MM:SS	◆ BEAR-E	-102.40°	19.49°	Complete	...
◆ CHAR 8518	256	HH:MM:SS	HH:MM:SS	◆ TIGER-B	151.51°	83.03°	Complete	...
◆ DELT 9091	256	HH:MM:SS	HH:MM:SS	◆ ABCD	244.66°	78.19°	Complete	...

Watcher

▼ **IRON 4090**

Mnemonic	Unit	Threshold	Actual		
◆ PWST2IA	Volts	35.1	22.7	↗	...
◆ PWST2IB	Volts	40.4	32.2	↘	...
◆ PWHTR08PV	Deg	38.4	38.1	↗	...
◆ PWST2VB	Deg	41.4	39.6	↗	...

IRON 4090 PWST21A



25 Active Alerts
Severity: All | Category: All

<input type="checkbox"/>	Severity ↓	Message	Category	Time
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input checked="" type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS

Acknowledge | Dismiss

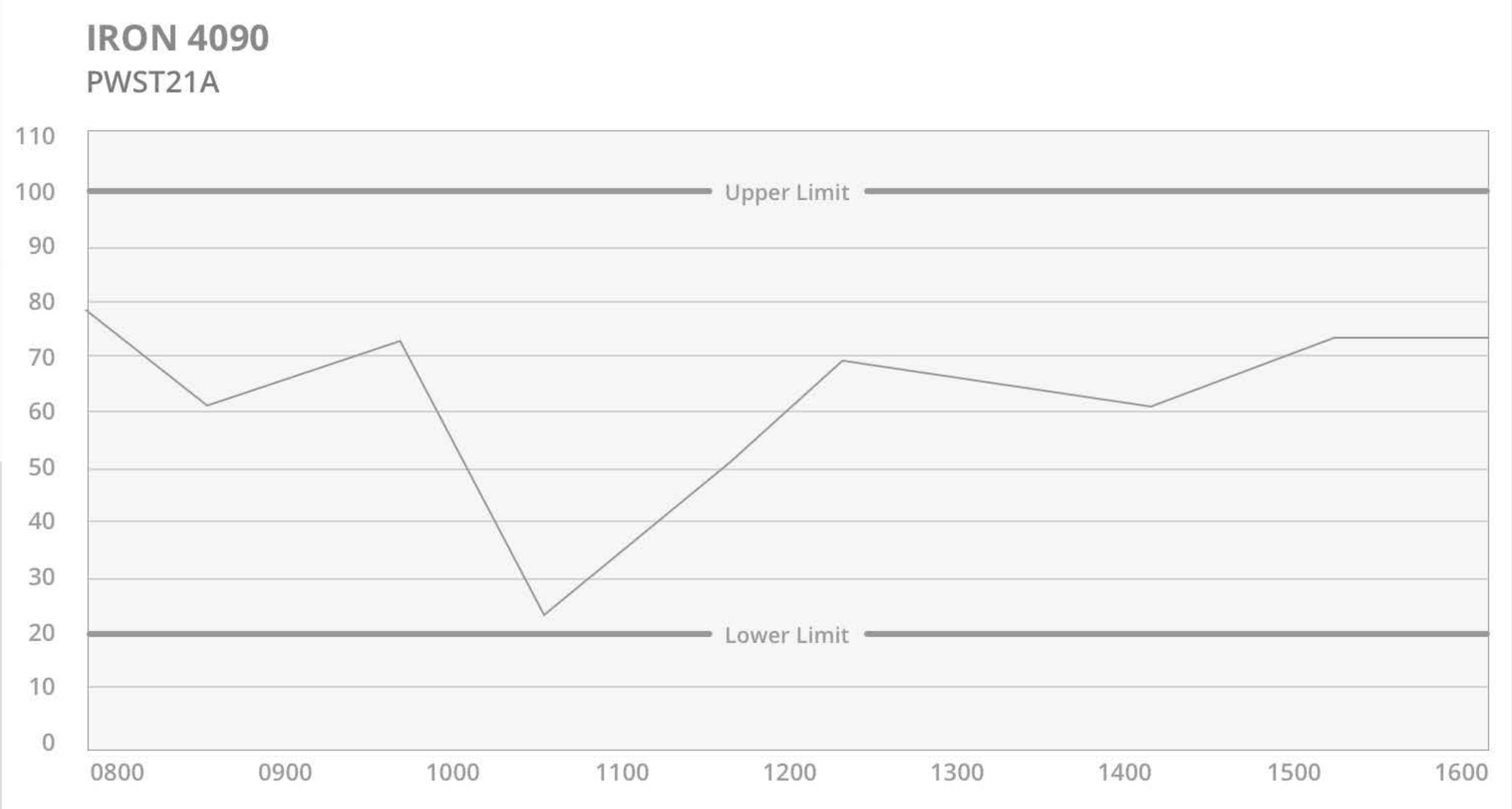
Constellation List Timeline

Satellite	Next Pass	AOS ↓	LOS	Ground Station	Azimuth	Elevation	State	Actions
◆ IRON 4090	255	HH:MM:SS	HH:MM:SS	◆ LION-A	-41.97	88.12°	Pass	...
◆ ECHO 1100	255	HH:MM:SS	HH:MM:SS	◆ TIGER-B	153.16°	12.31°	Pre-Pass	...
◆ FOXI 3232	255	HH:MM:SS	HH:MM:SS	◆ JAGUAR-D	162.94°	41.22°	Scheduled	...
◆ GOLF 5602	255	HH:MM:SS	HH:MM:SS	◆ OCELOT-F	83.65°	73.61°	Scheduled	...
◆ HOTL 0002	255	HH:MM:SS	HH:MM:SS	◆ CHEETAH-O	201.09°	10.28°	Scheduled	...
◆ ALPH 6648	255	HH:MM:SS	HH:MM:SS	◆ TIGER-B	-19.03°	65.53°	Scheduled	...
◆ JULI 3309	255	HH:MM:SS	HH:MM:SS	◆ BEAR-E	265.98°	34.88°	Scheduled	...
◆ KILO 4684	255	HH:MM:SS	HH:MM:SS	◆ LION-A	185.31°	88.81°	Scheduled	...
◆ LIMA 2017	255	HH:MM:SS	HH:MM:SS	◆ JAGUAR-F	-22.92°	23.93°	Scheduled	...
◆ MIKE 7509	255	HH:MM:SS	HH:MM:SS	◆ OCELOT-F	132.22°	11.32°	Scheduled	...
◆ NOVB 4500	255	HH:MM:SS	HH:MM:SS	◆ TIGER-B	-11.27°	58.72°	Scheduled	...
◆ ALPH 6648	256	HH:MM:SS	HH:MM:SS	◆ PUMA-C	183.72°	81.23°	Complete	...
◆ BRAV 0210	256	HH:MM:SS	HH:MM:SS	◆ BEAR-E	-102.40°	19.49°	Complete	...
◆ CHAR 8518	256	HH:MM:SS	HH:MM:SS	◆ TIGER-B	151.51°	83.03°	Complete	...
◆ DELT 9091	256	HH:MM:SS	HH:MM:SS	◆ ABCD	244.66°	78.19°	Complete	...

Watcher

▼ IRON 4090

Mnemonic	Unit	Threshold	Actual		
◆ PWST2IA	Volts	35.1	22.7	↗	...
◆ PWST2IB	Volts	40.4	32.2	↘	...
◆ PWHTR08PV	Deg	38.4	38.1	↗	...
◆ PWST2VB	Deg	41.4	39.6	↗	...



25 Active Alerts

Severity: All Category: All

Severity	Message	Category	Time
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS

2 items were dismissed. [Undo](#)

[Acknowledge](#) [Dismiss](#)

Constellation

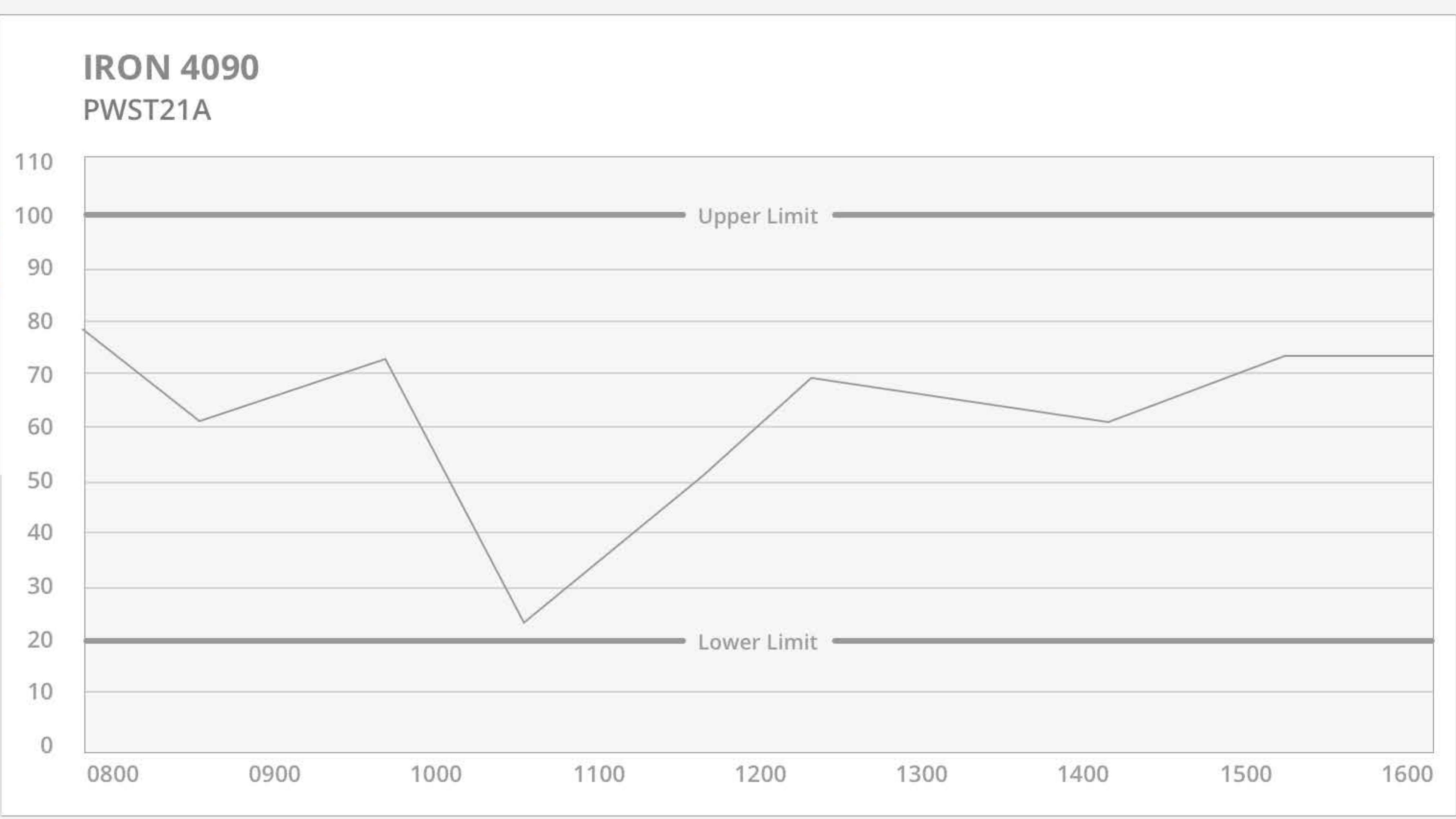
List Timeline

Satellite	Next Pass	AOS ↓	LOS	Ground Station	Azimuth	Elevation	State	Actions
◆ IRON 4090	255	HH:MM:SS	HH:MM:SS	◆ LION-A	-41.97	88.12°	Pass	...
◆ ECHO 1100	255	HH:MM:SS	HH:MM:SS	◆ TIGER-B	153.16°	12.31°	Pre-Pass	...
◆ FOXI 3232	255	HH:MM:SS	HH:MM:SS	◆ JAGUAR-D	162.94°	41.22°	Scheduled	...
◆ GOLF 5602	255	HH:MM:SS	HH:MM:SS	◆ OCELOT-F	83.65°	73.61°	Scheduled	...
◆ HOTL 0002	255	HH:MM:SS	HH:MM:SS	◆ CHEETAH-O	201.09°	10.28°	Scheduled	...
◆ ALPH 6648	255	HH:MM:SS	HH:MM:SS	◆ TIGER-B	-19.03°	65.53°	Scheduled	...
◆ JULI 3309	255	HH:MM:SS	HH:MM:SS	◆ BEAR-E	265.98°	34.88°	Scheduled	...
◆ KILO 4684	255	HH:MM:SS	HH:MM:SS	◆ LION-A	185.31°	88.81°	Scheduled	...
◆ LIMA 2017	255	HH:MM:SS	HH:MM:SS	◆ JAGUAR-F	-22.92°	23.93°	Scheduled	...
◆ MIKE 7509	255	HH:MM:SS	HH:MM:SS	◆ OCELOT-F	132.22°	11.32°	Scheduled	...
◆ NOVB 4500	255	HH:MM:SS	HH:MM:SS	◆ TIGER-B	-11.27°	58.72°	Scheduled	...
◆ ALPH 6648	256	HH:MM:SS	HH:MM:SS	◆ PUMA-C	183.72°	81.23°	Complete	...
◆ BRAV 0210	256	HH:MM:SS	HH:MM:SS	◆ BEAR-E	-102.40°	19.49°	Complete	...
◆ CHAR 8518	256	HH:MM:SS	HH:MM:SS	◆ TIGER-B	151.51°	83.03°	Complete	...
◆ DELT 9091	256	HH:MM:SS	HH:MM:SS	◆ ABCD	244.66°	78.19°	Complete	...

Watcher

IRON 4090

Mnemonic	Unit	Threshold	Actual		
◆ PWST2IA	Volts	35.1	22.7	↗	...
◆ PWST2IB	Volts	40.4	32.2	↘	...
◆ PWHTR08PV	Deg	38.4	38.1	↗	...
◆ PWST2VB	Deg	41.4	39.6	↗	...



25
Active Alerts

Severity: All
Category: All

<input type="checkbox"/>	Severity ↓	Message	Category	Time
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS

Acknowledge Dismiss

Constellation

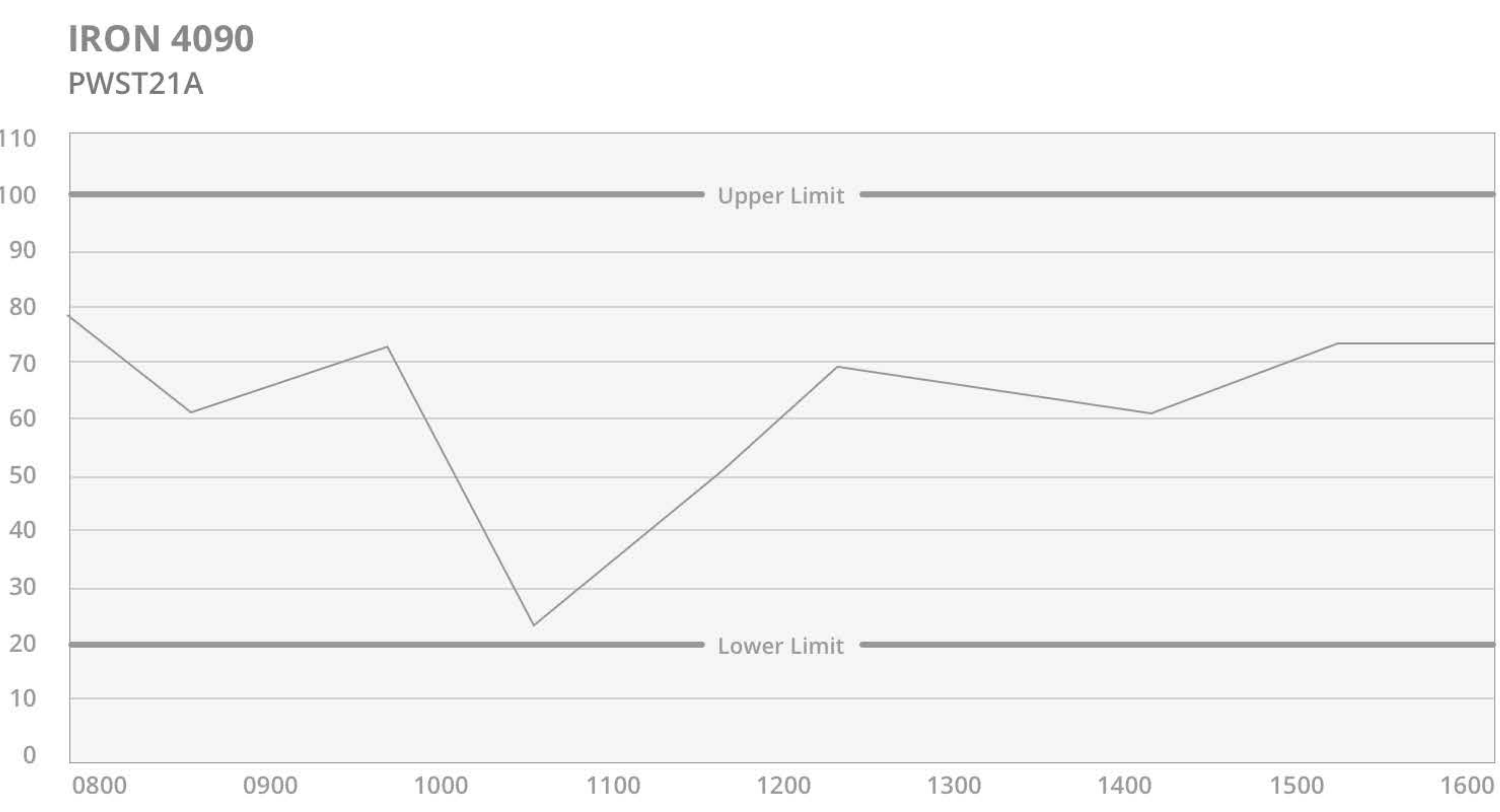
List Timeline

Satellite	Next Pass	AOS ↓	LOS	Ground Station	Azimuth	Elevation	State	Actions
◆ IRON 4090	255	HH:MM:SS	HH:MM:SS	◆ LION-A	-41.97	88.12°	Pass	...
◆ ECHO 1100	255	HH:MM:SS	HH:MM:SS	◆ TIGER-B	153.16°	12.31°	Pre-Pass	...
◆ FOXI 3232	255	HH:MM:SS	HH:MM:SS	◆ JAGUAR-D	162.94°	41.22°	Scheduled	...
◆ GOLF 5602	255	HH:MM:SS	HH:MM:SS	◆ OCELOT-F	83.65°	73.61°	Scheduled	...
◆ HOTL 0002	255	HH:MM:SS	HH:MM:SS	◆ CHEETAH-O	201.09°	10.28°	Scheduled	...
◆ ALPH 6648	255	HH:MM:SS	HH:MM:SS	◆ TIGER-B	-19.03°	65.53°	Scheduled	...
◆ JULI 3309	255	HH:MM:SS	HH:MM:SS	◆ BEAR-E	265.98°	34.88°	Scheduled	...
◆ KILO 4684	255	HH:MM:SS	HH:MM:SS	◆ LION-A	185.31°	88.81°	Scheduled	...
◆ LIMA 2017	255	HH:MM:SS	HH:MM:SS	◆ JAGUAR-F	-22.92°	23.93°	Scheduled	...
◆ MIKE 7509	255	HH:MM:SS	HH:MM:SS	◆ OCELOT-F	132.22°	11.32°	Scheduled	...
◆ NOVB 4500	255	HH:MM:SS	HH:MM:SS	◆ TIGER-B	-11.27°	58.72°	Scheduled	...
◆ ALPH 6648	256	HH:MM:SS	HH:MM:SS	◆ PUMA-C	183.72°	81.23°	Complete	...
◆ BRAV 0210	256	HH:MM:SS	HH:MM:SS	◆ BEAR-E	-102.40°	19.49°	Complete	...
◆ CHAR 8518	256	HH:MM:SS	HH:MM:SS	◆ TIGER-B	151.51°	83.03°	Complete	...
◆ DELT 9091	256	HH:MM:SS	HH:MM:SS	◆ ABCD	244.66°	78.19°	Complete	...

View Pass Plan
Playback Last Pass

Watcher

IRON 4090				
Mnemonic	Unit	Threshold	Actual	
◆ PWST2IA	Volts	35.1	22.7 ↗	...
◆ PWST2IB	Volts	40.4	32.2 ↘	...
◆ PWHTR08PV	Deg	38.4	38.1 ↗	...
◆ PWST2VB	Deg	41.4	39.6 ↗	...



25 Active Alerts

Severity: All Category: All

Severity	Message	Category	Time
<input type="checkbox"/>	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS

Acknowledge Dismiss

Constellation List Timeline

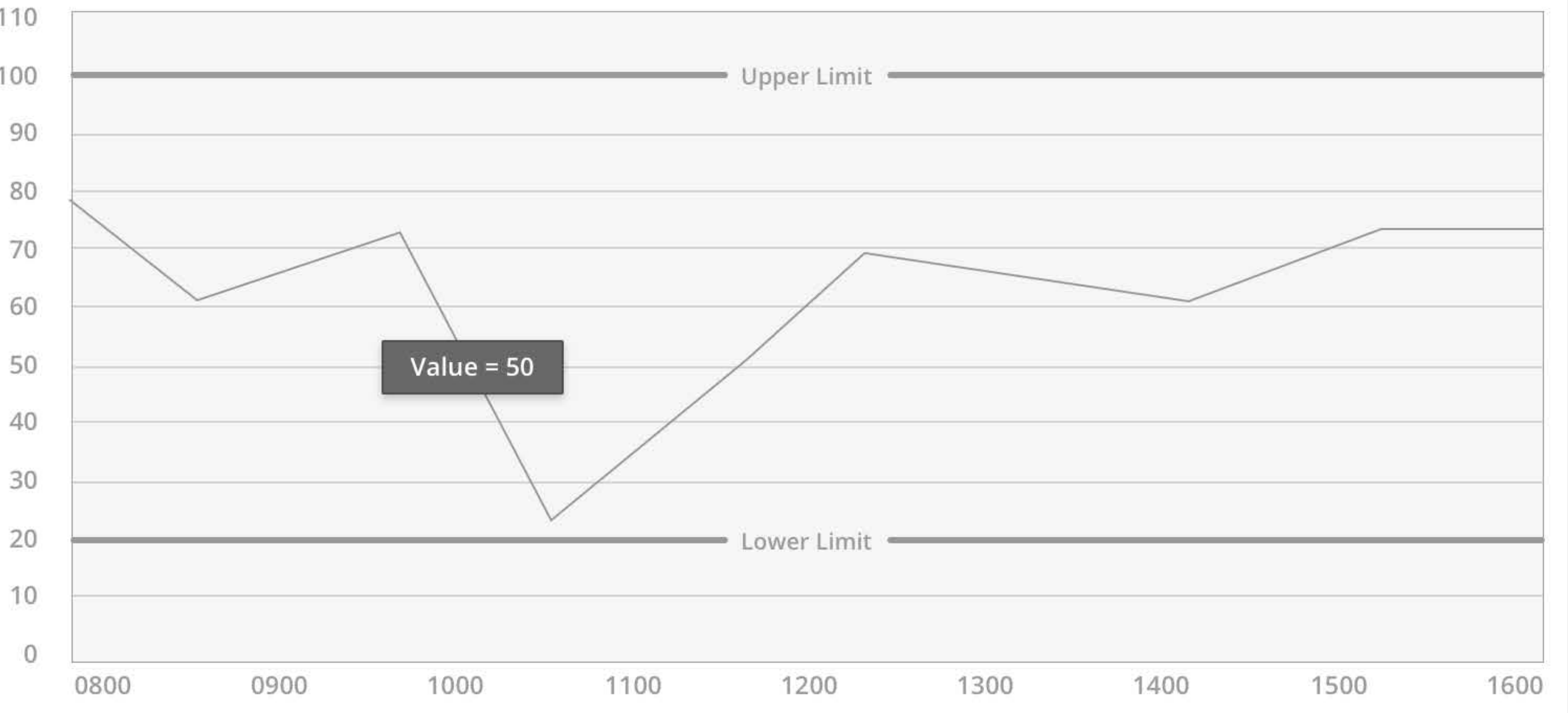
Satellite	Next Pass	AOS ↓	LOS	Ground Station	Azimuth	Elevation	State	Actions
◆ IRON 4090	255	HH:MM:SS	HH:MM:SS	◆ LION-A	-41.97	88.12°	Pass	...
◆ ECHO 1100	255	HH:MM:SS	HH:MM:SS	◆ TIGER-B	153.16°	12.31°	Pre-Pass	...
◆ FOXI 3232	255	HH:MM:SS	HH:MM:SS	◆ JAGUAR-D	162.94°	41.22°	Scheduled	...
◆ GOLF 5602	255	HH:MM:SS	HH:MM:SS	◆ OCELOT-F	83.65°	73.61°	Scheduled	...
◆ HOTL 0002	255	HH:MM:SS	HH:MM:SS	◆ CHEETAH-O	201.09°	10.28°	Scheduled	...
◆ ALPH 6648	255	HH:MM:SS	HH:MM:SS	◆ TIGER-B	-19.03°	65.53°	Scheduled	...
◆ JULI 3309	255	HH:MM:SS	HH:MM:SS	◆ BEAR-E	265.98°	34.88°	Scheduled	...
◆ KILO 4684	255	HH:MM:SS	HH:MM:SS	◆ LION-A	185.31°	88.81°	Scheduled	...
◆ LIMA 2017	255	HH:MM:SS	HH:MM:SS	◆ JAGUAR-F	-22.92°	23.93°	Scheduled	...
◆ MIKE 7509	255	HH:MM:SS	HH:MM:SS	◆ OCELOT-F	132.22°	11.32°	Scheduled	...
◆ NOVB 4500	255	HH:MM:SS	HH:MM:SS	◆ TIGER-B	-11.27°	58.72°	Scheduled	...
◆ ALPH 6648	256	HH:MM:SS	HH:MM:SS	◆ PUMA-C	183.72°	81.23°	Complete	...
◆ BRAV 0210	256	HH:MM:SS	HH:MM:SS	◆ BEAR-E	-102.40°	19.49°	Complete	...
◆ CHAR 8518	256	HH:MM:SS	HH:MM:SS	◆ TIGER-B	151.51°	83.03°	Complete	...
◆ DELT 9091	256	HH:MM:SS	HH:MM:SS	◆ ABCD	244.66°	78.19°	Complete	...

Watcher

▼ IRON 4090

Mnemonic	Unit	Threshold	Actual
◆ PWST2IA	Volts	40% ✓ x	22.7 ↗
◆ PWST2IB	Volts	40.4	32.2 ↘
◆ PWHTR08PV	Deg	38.4	38.1 ↗
◆ PWST2VB	Deg	41.4	39.6 ↗

IRON 4090
PWST21A



25 Active Alerts

Severity: All Category: All

<input type="checkbox"/>	Severity ↓	Message	Category	Time
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS

Acknowledge Dismiss

Constellation

List Timeline

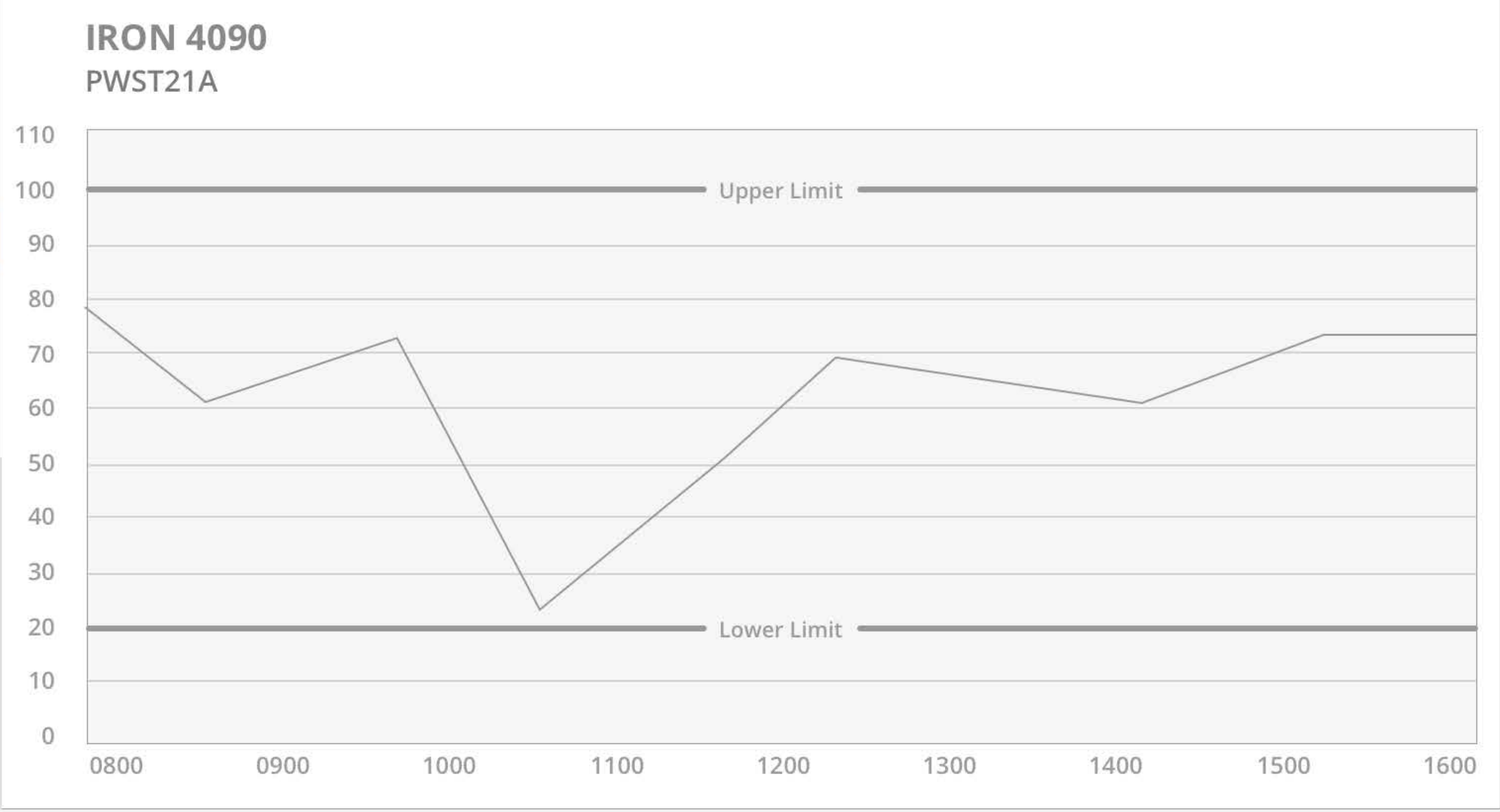
Pre-Pass for IRON-4090 is about to begin. [Open Contact](#)

◆ TIGER-B 00:00:00 - 00:00:00		◆ LION-A 00:00:00 - 00:00:00		◆ JAGUAR-D 00:00:00 - 00:00:00	
◆ ALPH 6648					
◆ ECHO 1100					
◆ FOXI 3232					
◆ GOLF 5602					
◆ HOTL 0002					
◆ IRON 4090					
◆ KILO 4684					
◆ JULI 3309					
◆ KILO 4684					

Watcher

▼ IRON 4090

Mnemonic	Unit	Threshold	Actual	
◆ PWST2IA	Volts	35.1	22.7	...
◆ PWST2IB	Volts	40.4	32.2	...
◆ PWHTR08PV	Deg	38.4	38.1	...
◆ PWST2VB	Deg	41.4	39.6	...

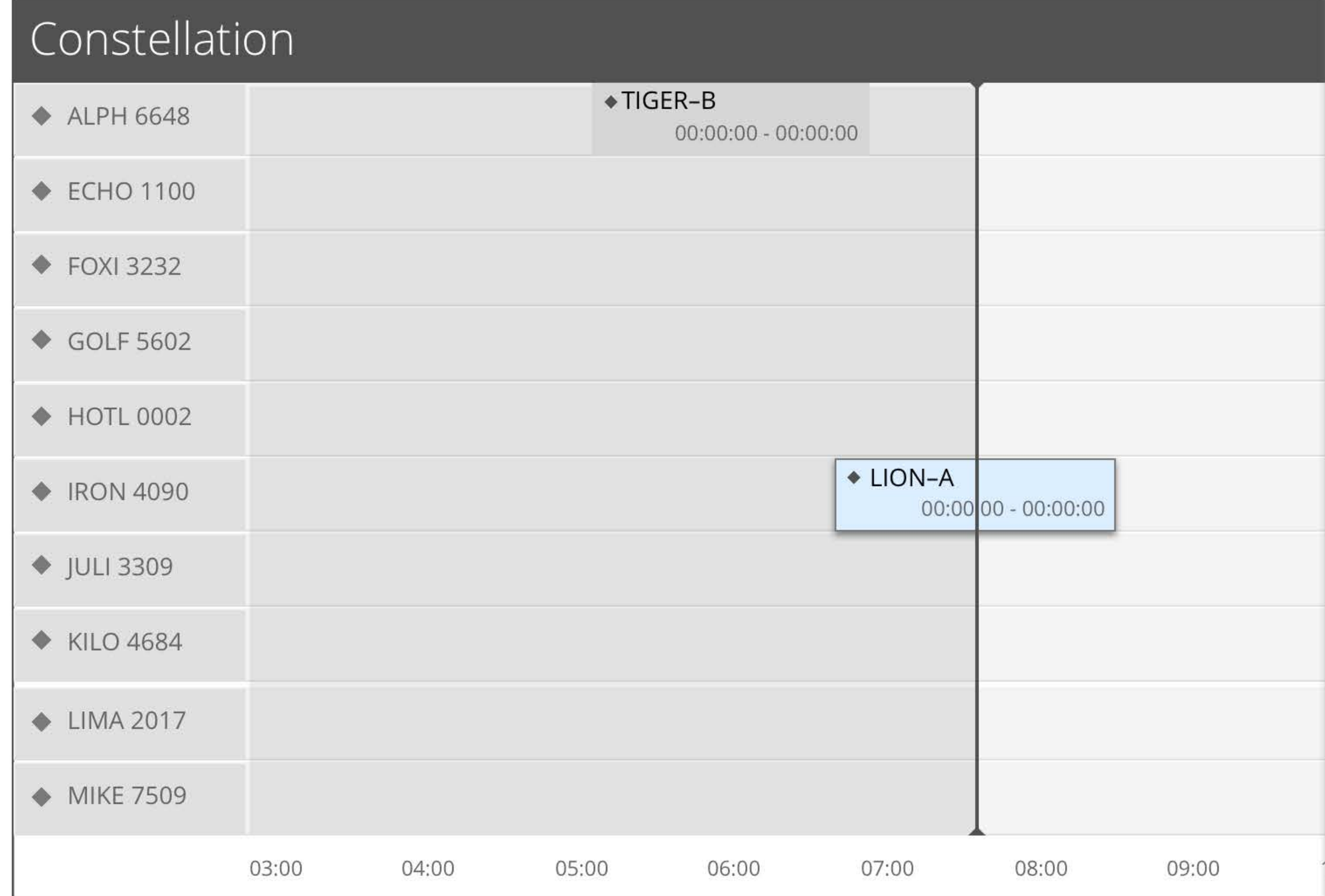


25
Active Alerts

Severity: **All** | Category: **All**

<input type="checkbox"/>	Severity ↓	Message	Category	Time
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
<input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS

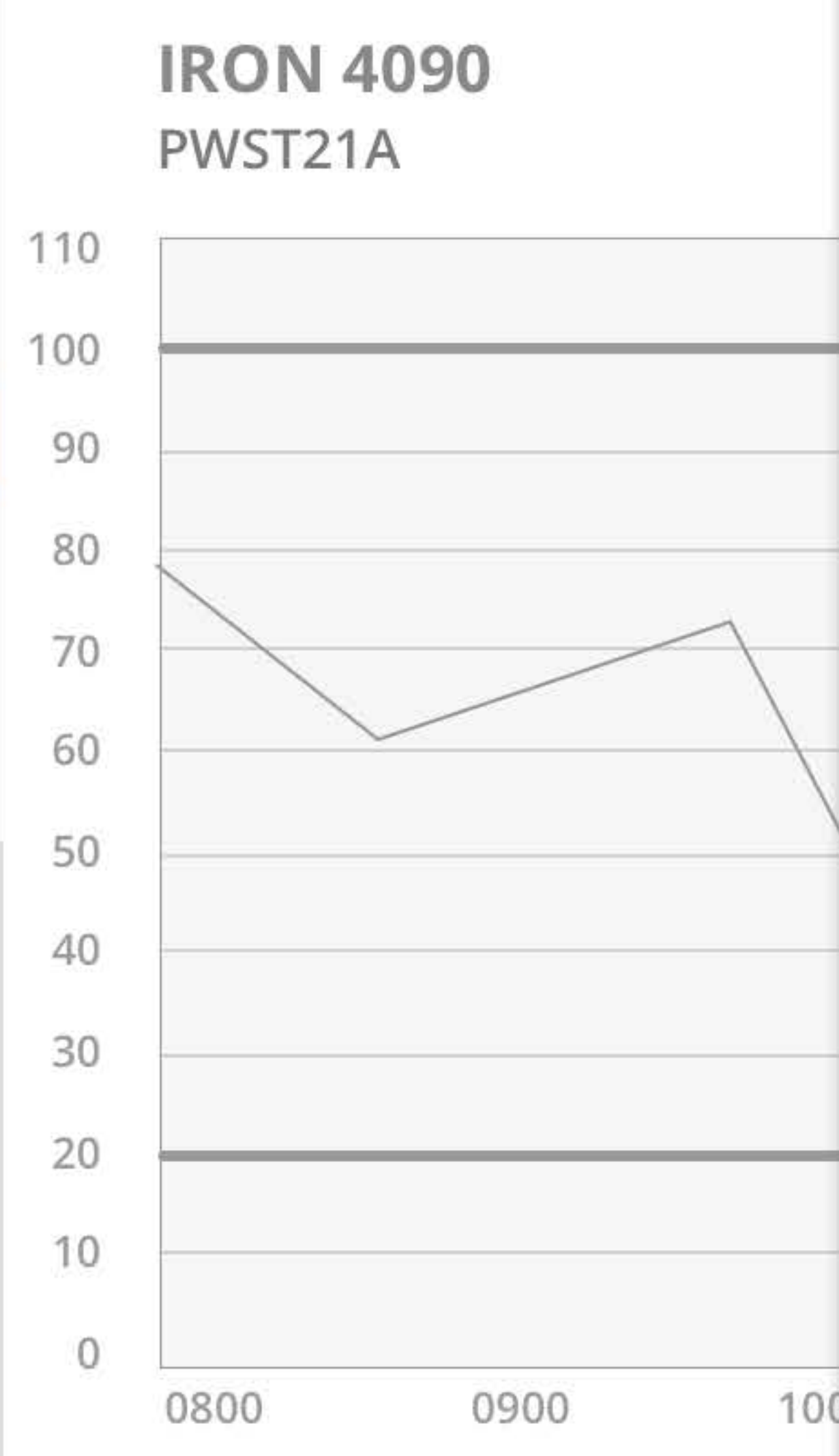
Acknowledge | Dismiss



Watcher

▼ IRON 4090

Mnemonic	Unit	Threshold	Actual	
◆ PWST2IA	Volts	35.1	22.7	...
◆ PWST2IB	Volts	40.4	32.2	...
◆ PWHTR08PV	Deg	38.4	38.1	...
◆ PWST2VB	Deg	41.4	39.6	...



• IRON-4090 [↗](#) Close <<

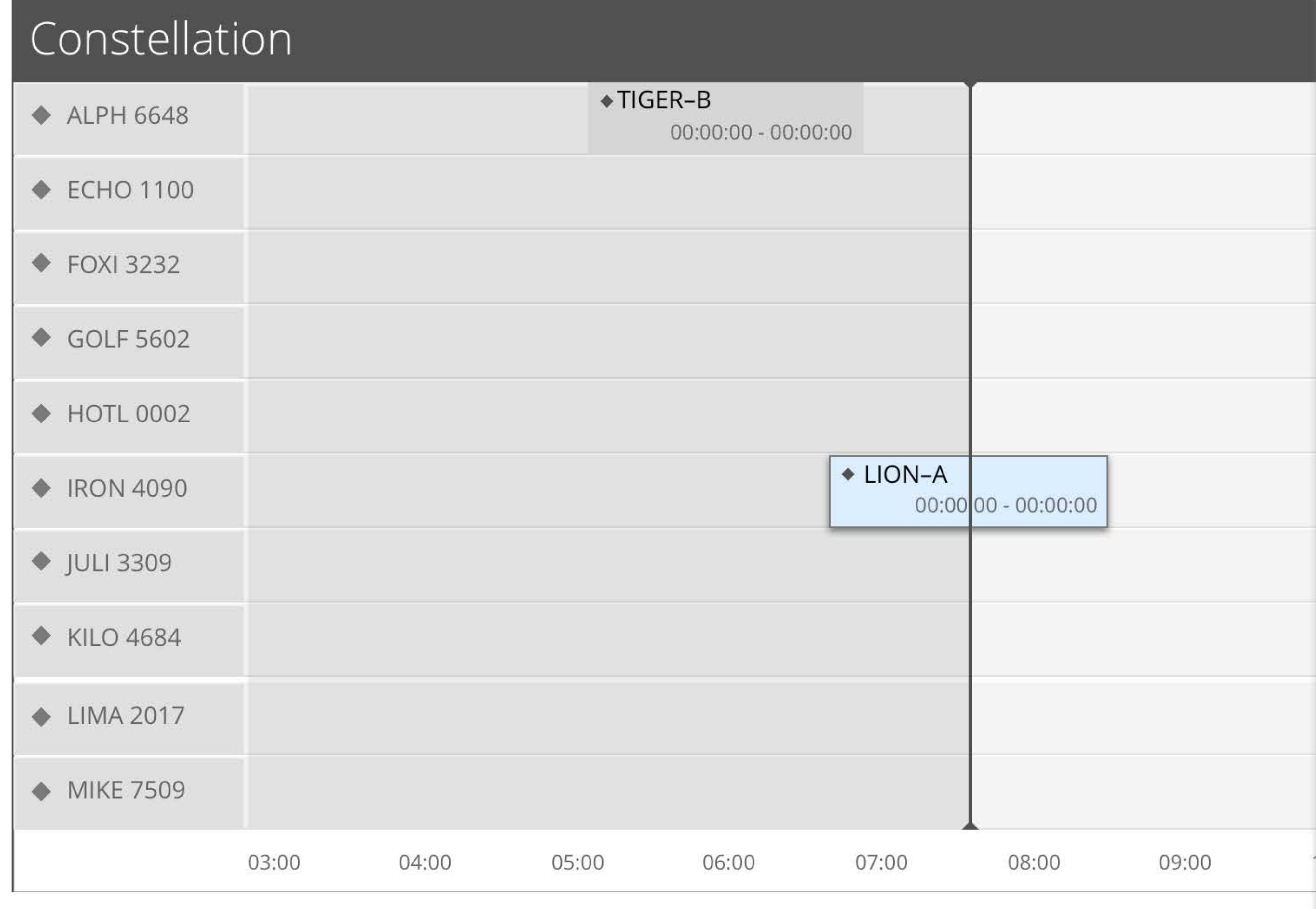
Contact Details	Pass Plan
Next Pass	255
AOS	HH:MM:SS
LOS	HH:MM:SS
State	In-Pass
Ground Station	LION-A
Azimuth	-41.97°
Elevation	88.12°

25
Active Alerts

Severity: All
Category: All

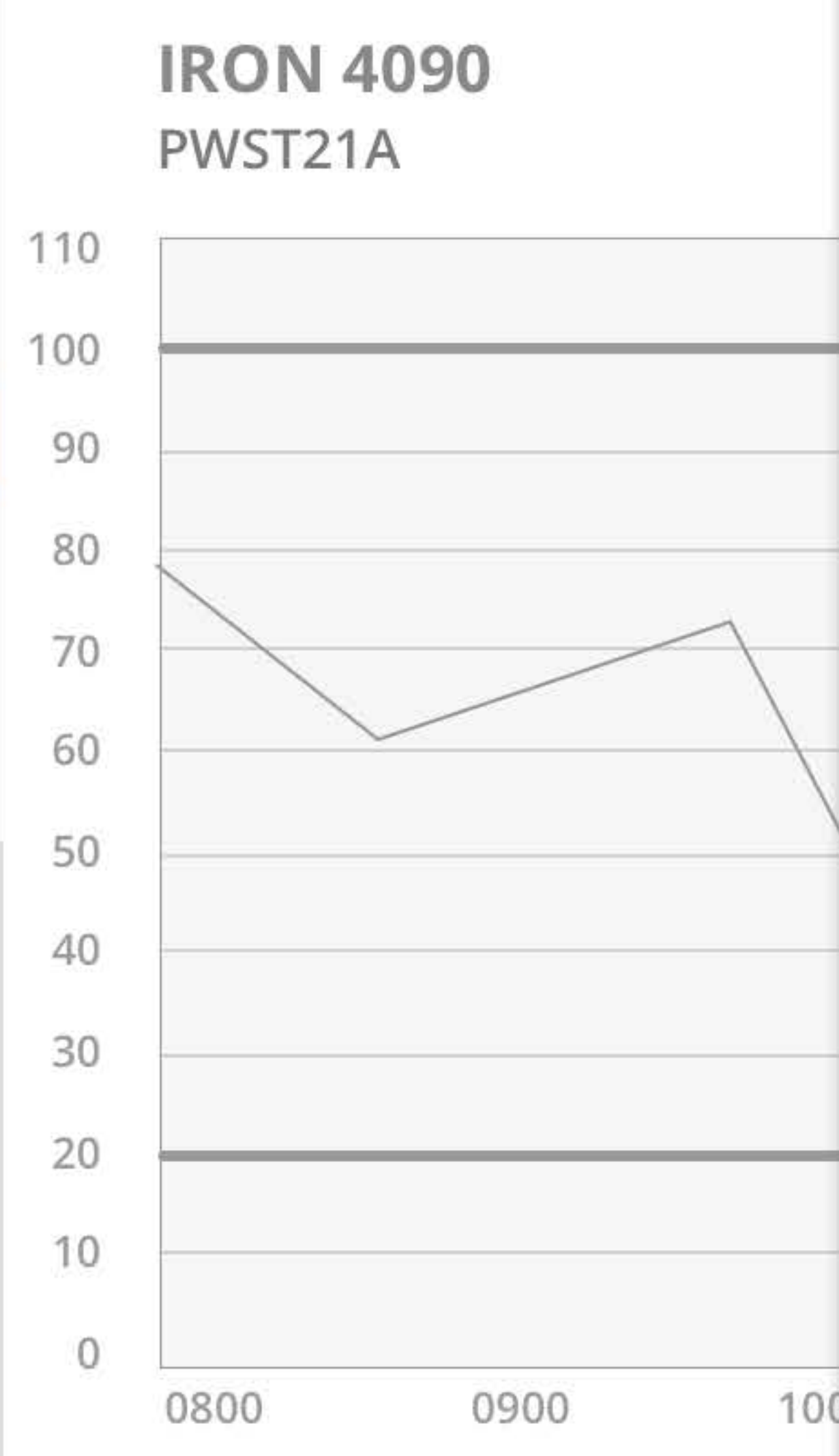
Severity	Message	Category	Time
Severity ↓	Message	Category	Time
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	◆ Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS

Acknowledge Dismiss



Watcher

IRON 4090				
Mnemonic	Unit	Threshold	Actual	
◆ PWST2IA	Volts	35.1	22.7	...
◆ PWST2IB	Volts	40.4	32.2	...
◆ PWHTR08PV	Deg	38.4	38.1	...
◆ PWST2VB	Deg	41.4	39.6	...



● IRON-4090 [Close <<](#)

Contact Details		Pass Plan
		🕒 Next Pass: 255 AOS: HH:MM:SS
Step	Command	Run Length
1	Verify MNEMONIC = ON	
2	Verify MNEMONIC = <40 unit	
3	Verify MNEMONIC = OPEN	
4	Verify MNEMONIC = <90 unit	
5	Is "XYZ" Selected? Are you receiving telemetry?	
▾ 6	81001	00:07:25
	6-1 Verify MNEMONIC = 1	
	6-2 Verify MNEMONIC = SEL	
	6-3 Verify MNEMONIC = RPG 1	
	6-4 Verify MNEMONIC = < /=60 Amps	
▾ 7	81002	00:07:25
▾ 8	81003	00:07:25
▾ 9	81004	00:07:25

Total Run Length: 00:37:50

0 Active Alerts
Severity: All Category: All

Severity	Message	Category	Time
No alerts at this time.			

Acknowledge Dismiss

IRON 4090 Pass Plan

Mode: Semi-Auto

Pre-Pass

Step	Instruction
1	<input checked="" type="checkbox"/> AIM = CONNECTED
2	<input checked="" type="checkbox"/> SARM = CONNECTED
3	<input type="checkbox"/> LOCK = PENDING ██████████
4	<input type="checkbox"/> AOS = PENDING
5	<input type="checkbox"/> VCC = PENDING
6	<input type="checkbox"/> PASS PLAN = PENDING

Start typing to search commands...

Link Status

- Lock - Signal Strength: -
- Telemetry - Total Frame Count: 0
- VCC - Bad CMD: 0

Subsystems

- Attitude
- Payload
- Power
- Propulsion
- Thermal

Watcher

Mnemonic	Unit	Threshold	Actual
PWST2IA	Volts	35.1	22.7 ↗
PWST2IB	Volts	40.4	32.2 ↘
PWHTR08PV	Deg	38.4	38.1 ↗
PWST2VB	Deg	41.4	39.6 ↗

0 Active Alerts

Severity: All Category: All


Severity	Message	Category	Time
No alerts at this time.			

Acknowledge Dismiss

IRON 4090 Pass Plan

Mode: Semi-Auto

Pre-Pass complete. Pass starts in 00:00:30

Step	Instruction
 Loading Pass Plan...	

Start typing to search commands...

Link Status

- Lock - Signal Strength: -
- Telemetry - Total Frame Count: 0
- VCC - Bad CMD: 0

Subsystems

- Attitude
- Payload
- Power
- Propulsion
- Thermal

Watcher

Mnemonic	Unit	Threshold	Actual
PWST2IA	Volts	35.1	22.7 ↗
PWST2IB	Volts	40.4	32.2 ↘
PWHTR08PV	Deg	38.4	38.1 ↗
PWST2VB	Deg	41.4	39.6 ↗

5 Active Alerts
Severity: All
Category: All

<input type="checkbox"/>	Severity ↓	Message	Category	Time
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS

IRON 4090 Pass Plan

Mode: Semi-Auto

Step	Instruction	
1	<input checked="" type="checkbox"/> Verify <u>MNEMONIC</u> = ON	
2	<input checked="" type="checkbox"/> Verify <u>MNEMONIC</u> = <60 deg	
3	<input checked="" type="checkbox"/> Verify <u>MNEMONIC</u> = OPEN	
4	<input checked="" type="checkbox"/> Verify <u>MNEMONIC</u> = <55 volts	👁 Watching
5	Is "XYZ" selected? Yes Are you receiving telemetry? Yes	
▶ 6	⏸ 81001 Lorem Ipsum Dolor... 🕒 00:07:25	
6-1	<input checked="" type="checkbox"/> Verify <u>MNEMONIC</u> = 1	
6-2	<input checked="" type="checkbox"/> Verify <u>MNEMONIC</u> = <60 deg	
6-3	<input type="checkbox"/> Verify <u>MNEMONIC</u> = ENAB	
6-4	<input type="checkbox"/> Verify <u>MNEMONIC</u> = </=50 volts	
▶ 7	▶ 81002 🕒 00:07:25	
8	<input checked="" type="checkbox"/> Verify <u>MNEMONIC</u> = <60 deg	
9	<input checked="" type="checkbox"/> Verify <u>MNEMONIC</u> = <45 volts	

🔍

Link Status

- ◆ Lock -99
Signal Strength: -72.64
- ◆ Telemetry 99.0
Total Frame Count: 49336
- ◆ VCC 7,290
Bad CMD: 0

Subsystems

- ◆ Attitude 🔗
- ◆ Payload 🔗
- ◆ Power 🔗
- ◆ Propulsion 🔗
- ◆ Thermal 🔗

Watcher

Mnemonic	Unit	Threshold	Actual	
◆ <u>PWST2IA</u>	Volts	35.1	22.7 ⬆	...
◆ <u>PWST2IB</u>	Volts	40.4	32.2 ⬇	...
◆ <u>PWHTR08PV</u>	Deg	38.4	38.1 ⬆	...
◆ <u>PWST2VB</u>	Deg	41.4	39.6 ⬆	...

5 Active Alerts
Severity: All Category: All

Severity	Message	Category	Time		
▾	▾	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	▾	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	▾	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	▾	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	▾	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	▾	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS

IRON 4090 Pass Plan

Mode: Semi-Auto

Step	Instruction	Status	Watching
1	Verify <u>MNEMONIC</u> = ON	✓	
2	Verify <u>MNEMONIC</u> =	✓	
3	Verify <u>MNEMONIC</u> = ON	✓	
4	Verify <u>MNEMONIC</u> = <5	✓	Watching
5	Is "XYZ" selected? Are you receiving telemetry?	Yes Yes	
6	81001	Progress bar	00:07:25
6-1	Verify <u>MNEMONIC</u> = 1	✓	
6-2	Verify <u>MNEMONIC</u> = <60 deg	✓	
6-3	Verify <u>MNEMONIC</u> = ENAB	▢	
6-4	Verify <u>MNEMONIC</u> = </=50 volts	▢	
7	81002	Progress bar	00:07:25
8	Verify <u>MNEMONIC</u> = <60 deg	✓	
9	Verify <u>MNEMONIC</u> = <45 volts	✓	

Start typing to search commands... Add to Queue

MNEMONIC

VALUE: 63.7 Placeholder Unit
SUBSYSTEM: [Attitude](#)

Add to Watcher

Link Status

- Lock: -99
Signal Strength: -72.64
- Telemetry: 99.0
Total Frame Count: 49336
- VCC: 7,290
Bad CMD: 0

Subsystems

- Attitude
- Payload
- Power
- Propulsion
- Thermal

Watcher

Mnemonic	Unit	Threshold	Actual	
◆ PWST2IA	Volts	35.1	22.7 ↗	...
◆ PWST2IB	Volts	40.4	32.2 ↘	...
◆ PWHTR08PV	Deg	38.4	38.1 ↗	...
◆ PWST2VB	Deg	41.4	39.6 ↗	...

Acknowledge Dismiss

5 Active Alerts
Severity: All Category: All

Severity	Message	Category	Time		
▾	▢	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	▢	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	▢	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	▢	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	▢	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▾	▢	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS

IRON 4090 Pass Plan

Mode: Semi-Auto

Step	Instruction
1	✓ Verify MNEMONIC = ON
2	✓ Verify MNEMONIC = <60 deg
3	✓ Verify MNEMONIC = OPEN
4	✓ Verify MNEMONIC = <55 volts Watching
5	Is "XYZ" selected? Are you receiving telemetry? Yes Yes
6	81001 00:07:25
6-1	✓ Verify MNEMONIC = 1
6-2	✓ Verify MNEMONIC = <60 deg

Recent Commands:

- 80000
- 80010
- Memory Dump 4
- QRP Command 3**
- Satellite Command 1

Quick Response Procedures:

- QRP Command

Start typing to search commands... Add to Queue

Acknowledge Dismiss

Link Status

- Lock: -99 Signal Strength: -72.64
- Telemetry: 99.0 Total Frame Count: 49336
- VCC: 7,290 Bad CMD: 0

Subsystems

- Attitude
- Payload
- Power
- Propulsion
- Thermal

Watcher

Mnemonic	Unit	Threshold	Actual
◆ PWST2IA	Volts	35.1	22.7 ↗
◆ PWST2IB	Volts	40.4	32.2 ↘
◆ PWHTR08PV	Deg	38.4	38.1 ↗
◆ PWST2VB	Deg	41.4	39.6 ↗

5 Active Alerts

Severity: All Category: All

<input type="checkbox"/>	Severity ↓	Message	Category	Time
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS

IRON 4090 Pass Plan

Mode: Semi-Auto

Pass

Step	Instruction
1	<input checked="" type="checkbox"/> Verify <u>MNEMONIC</u> = ON
2	<input checked="" type="checkbox"/> Verify <u>MNEMONIC</u> = <60 deg
3	<input checked="" type="checkbox"/> Verify <u>MNEMONIC</u> = OPEN
4	<input checked="" type="checkbox"/> Verify <u>MNEMONIC</u> = <55 volts 👁 Watching
5	Is "XYZ" selected? <input type="text" value="Yes"/> Are you receiving telemetry? <input type="text" value="Yes"/>
6	<input type="checkbox"/> 81001 Lorem Ipsum Dolor... ⌚ 00:07:25
6-1	<input checked="" type="checkbox"/> Verify <u>MNEMONIC</u> = 1

Results:

rw1_op_mode (**Reaction wheel 1 Operating Mode**)

rw1_momentum (**Reaction wheel 1 momentum**)

rw1_momentum error (**Reaction wheel 1 momentum error**)

rw1_torque (**Reaction wheel 1 torque**)

rw1_torque_error (**Reaction wheel 1 torque error**)

rw1_vm_com (**Reaction wheel 1 VM_COM**)

rw1_pwm_com (**Reaction wheel 1 pulse width modulation**)

rw1_cmd_watchdog (**Reaction wheel 1 rtc_h**)

rw1_limit_flags (**Reaction wheel 1 limit flags**)

Rea |

Link Status

- ◆ Lock **-99**
Signal Strength: -72.64
- ◆ Telemetry **99.0**
Total Frame Count: 49336
- ◆ VCC **7,290**
Bad CMD: 0

Subsystems

- ◆ Attitude
- ◆ Payload
- ◆ Power
- ◆ Propulsion
- ◆ Thermal

Watcher

Mnemonic	Unit	Threshold	Actual
◆ <u>PWST2IA</u>	Volts	35.1	22.7 ↗ ...
◆ <u>PWST2IB</u>	Volts	40.4	32.2 ↘ ...
◆ <u>PWHTR08PV</u>	Deg	38.4	38.1 ↗ ...
◆ <u>PWST2VB</u>	Deg	41.4	39.6 ↗ ...

5 Active Alerts Severity: All Category: All

<input type="checkbox"/>	Severity ↓	Message	Category	Time
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS

IRON 4090 Pass Plan

Mode: Semi-Auto

Step	Instruction	
1	<input checked="" type="checkbox"/> Verify MNEMONIC = ON	
2	<input checked="" type="checkbox"/> Verify MNEMONIC = <60 deg	
3	<input checked="" type="checkbox"/> Verify MNEMONIC = OPEN	
4	<input checked="" type="checkbox"/> Verify MNEMONIC = <55 volts	Watching
5	Is "XYZ" selected? Are you receiving telemetry? <input type="text" value="Yes"/> <input type="text" value="Yes"/>	
▶ 6	<input type="button" value="Pause"/> 81001 Lorem Ipsum Dolor... ⌚ 00:07:25	
6-1	<input checked="" type="checkbox"/> Verify MNEMONIC = 1	
6-2	<input checked="" type="checkbox"/> Verify MNEMONIC = <60 deg	
6-3	<input type="checkbox"/> Verify MNEMONIC = ENAB	
6-4	<input type="checkbox"/> Verify MNEMONIC = </=50 volts	
▶ 7	<input type="button" value="Play"/> 81002 ⌚ 00:07:25	
8	<input checked="" type="checkbox"/> Verify MNEMONIC = <60 deg	
9	<input checked="" type="checkbox"/> Verify MNEMONIC = <45 volts	

Link Status

- ◆ Lock: -99
Signal Strength: -72.64
- ◆ Telemetry: 99.0
Total Frame Count: 49336
- ◆ VCC: 7,290
Bad CMD: 0

Subsystems

- ◆ Attitude
- ◆ Payload
- ◆ Power
- ◆ Propulsion
- ◆ Thermal

Watcher

Mnemonic	Unit	Threshold	Actual	
◆ PWST2IA	Volts	35.1	22.7	...
◆ PWST2IB	Volts	40.4	32.2	...
◆ PWHTR08PV	Deg	38.4	38.1	...
◆ PWST2VB	Deg	41.4	39.6	...

5 Active Alerts
Severity: All Category: All

Severity	Message	Category	Time		
▶	▶	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶	▶	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶	▶	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶	▶	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶	▶	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶	▶	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS

IRON 4090 Pass Plan

Mode: Semi-Auto

Step	Instruction	Time
1	✓ Verify MNEMONIC = ON	
2	✓ Verify MNEMONIC = <60 deg	
3	⌵	
4	⌵	Watching
5	⌵	
6	⌵	00:07:25
6-2	✓ Verify MNEMONIC = <60 deg	
6-3	□ Verify MNEMONIC = ENAB	
6-4	□ Verify MNEMONIC = </=50 volts	
7	▶ 81002	00:07:25
8	✓ Verify MNEMONIC = <60 deg	
9	✓ Verify MNEMONIC = <45 volts	

Delete Item(s)

Please confirm you wish to delete the selected item from the Watcher?

Start typing to search commands...

Link Status

- ◆ Lock **-99**
Signal Strength: -72.64
- ◆ Telemetry **99.0**
Total Frame Count: 49336
- ◆ VCC **7,290**
Bad CMD: 0

Subsystems

- ◆ Attitude
- ◆ Payload
- ◆ Power
- ◆ Propulsion
- ◆ Thermal

Watcher

Mnemonic	Unit	Threshold	Actual	
◆ PWST2IA	Volts	35.1	22.7	...
◆ PWST2IB	Volts	40.4	32.2	...
◆ PWHTR08PV	Deg	38.4	38.1	...
◆ PWST2VB	Deg	41.4	39.6	...

5 Active Alerts
 Severity: All
Category: All

<input type="checkbox"/>	Severity ↓	Message	Category	Time
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS
▶ <input type="checkbox"/>	◆	Lorem Ipsum Dolor Sit Amet...	Category	HH:MM:SS

Mode: Semi-Auto

IRON 4090 Pass Plan

Pass Complete

Step	Instruction	
1	<input checked="" type="checkbox"/> Verify <u>MNEMONIC</u> = ON	
2	<input checked="" type="checkbox"/> Verify <u>MNEMONIC</u> = <60 deg	
3	<input checked="" type="checkbox"/> Verify <u>MNEMONIC</u> = OPEN	
4	<input checked="" type="checkbox"/> Verify <u>MNEMONIC</u> = <55 volts	Watching
5	Is "XYZ" selected? Are you receiving telemetry? Yes Yes	
▶ 6	<input checked="" type="checkbox"/> 81001	Complete ⌚ 00:07:25
	6-1 <input checked="" type="checkbox"/> Verify <u>MNEMONIC</u> = 1	
	6-2 <input checked="" type="checkbox"/> Verify <u>MNEMONIC</u> = <60 deg	
	6-3 <input checked="" type="checkbox"/> Verify <u>MNEMONIC</u> = ENAB	
	6-4 <input checked="" type="checkbox"/> Verify <u>MNEMONIC</u> = </=50 volts	
▶ 7	<input checked="" type="checkbox"/> 81002	⌚ 00:07:25
	8 <input checked="" type="checkbox"/> Verify <u>MNEMONIC</u> = <60 deg	
	9 <input checked="" type="checkbox"/> Verify <u>MNEMONIC</u> = <45 volts	

⏮ 🔍

Link Status

- ◆ Lock -
Signal Strength: -
- ◆ Telemetry -
Total Frame Count: 0
- ◆ VCC -
Bad CMD: 0

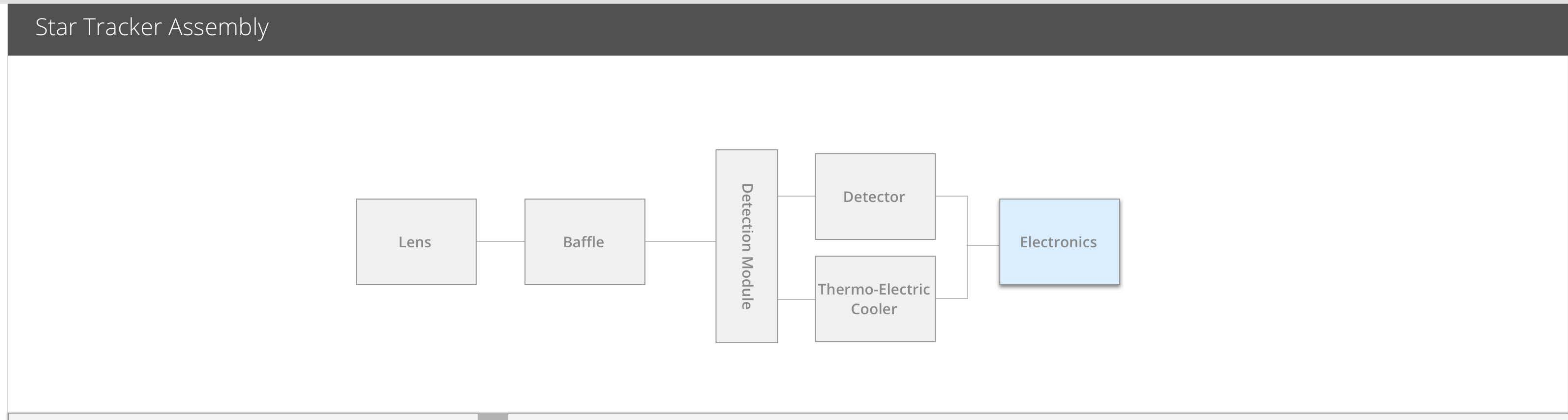
Subsystems

- ◆ Attitude
- ◆ Payload
- ◆ Power
- ◆ Propulsion
- ◆ Thermal

Watcher

	Mnemonic	Unit	Threshold	Actual	
◆	<u>PWST2IA</u>	Volts	35.1	22.7	...
◆	<u>PWST2IB</u>	Volts	40.4	32.2	...
◆	<u>PWHTR08PV</u>	Deg	38.4	38.1	...
◆	<u>PWST2VB</u>	Deg	41.4	39.6	...

- IRON 4090 Subsystems
- Attitude
 - Star Tracker
 - Earth Sensors
 - Reaction Wheels
 - Sun Sensors
 - Payload
 - Power
 - Propulsion
 - Thermal



Electronics

Filter by name All Marginal Critical

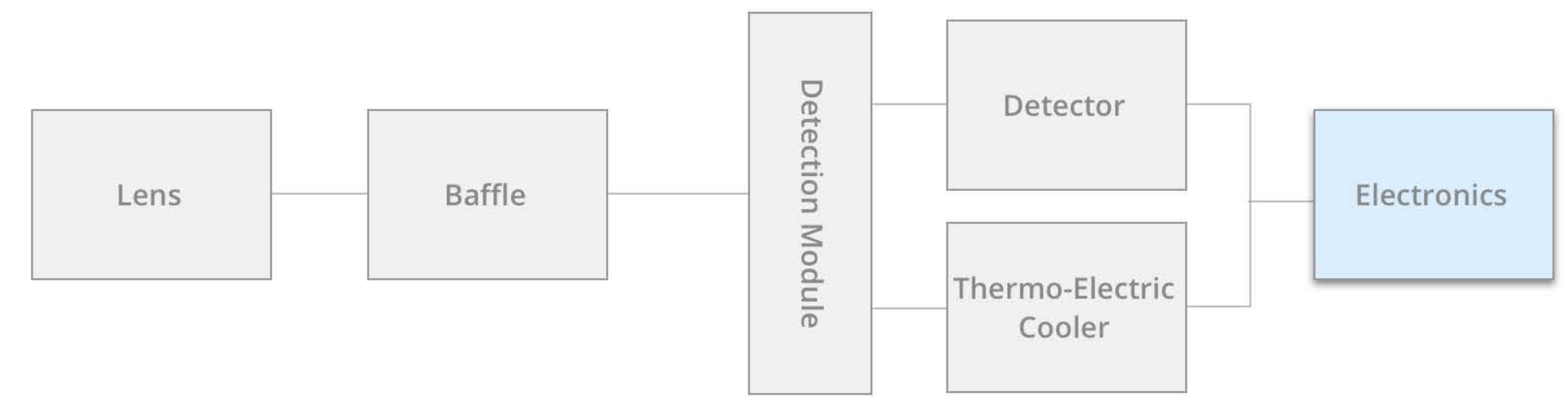
Severity ↓	Mnemonic	Measurement	Value	Unit	Watching (2)
▼	PWHTR08PV	Star Tracker 1 Heater 8P Voltage Monitor	74.2	Volts	
■	PWHTR08RV	Star Tracker 1 Heater 8R Voltage Monitor	49.9	Volts	<input checked="" type="checkbox"/> Watching
■	PWHTR11PV	Star Tracker 2 Heater 11P Voltage Monitor	81.4	Volts	
■	PWHTR11RV	Star Tracker 2 Heater 11R Voltage Monitor	63.7	Volts	<input type="checkbox"/> <i>Add to Watcher</i>
■	PWST2IA	Star Tracker 1 Voltage Monitor (Via PCDU 2B)	22.7	Volts	
●	PWST21B	Star Tracker 2 Voltage Monitor (Via PCDU 2A)	32.2	Volts	<input checked="" type="checkbox"/> Watching
●	PWHTR11PV	Star Tracker 1 Voltage Monitor (Via PCDU 3B)	38.1	Volts	
●	PWST2VB	Star Tracker 2 Voltage Monitor (Via PCDU 3A)	39.6	Volts	
●	HTR08PPW	Star Tracker 1 Heater 8P Switch Power	89.2	Deg	
●	HTR08PPW	Star Tracker 1 Heater 8P Switch Power	92.4	Deg	
●	HTR08PPW	Star Tracker 1 Heater 8P Switch Power	91.9	Deg	
●	HTR08RPW	Star Tracker 1 Heater 8R Switch Power	88.2	Deg	
●	HTR08RPW	Star Tracker 1 Heater 8R Switch Power	75.2	Deg	
●	HTR08RPW	Star Tracker 1 Heater 8R Switch Power	79.3	Deg	
●	HTR11PPW	Star Tracker 2 Heater 11P Switch Power	66.5	Deg	
●	HTR11PPW	Star Tracker 2 Heater 11P Switch Power	90.4	Deg	
●	HTR11PPW	Star Tracker 2 Heater 11P Switch Power	93.7	Deg	
●	HTR11PPW	Star Tracker 2 Heater 11P Switch Power	85.2	Deg	

IRON 4090 Subsystems

- Attitude
- Payload
- Power
- Propulsion
- Thermal

- Earth Sensors
- Reaction Wheels
- Star Tracker
- Sun Sensors

Star Tracker Assembly



Electronics

Filter by name

All Marginal Critical

Severity ↓	Mnemonic	Measurement	Value	Unit	Watching (2)
▼	PWHTR08PV	Star Tracker 1 Heater 8P Voltage Monitor	74.2	Volts	
■	PWHTR08RV	Star Tracker 1 Heater 8R Voltage Monitor	49.9	Volts	<input checked="" type="checkbox"/> <i>Watching</i>
■	PWHTR11PV	Star Tracker 2 Heater 11P Voltage Monitor	81.4	Volts	
■	PWHTR11RV	Star Tracker 2 Heater 11R Voltage Monitor	63.7	Volts	<input type="checkbox"/> <i>Add to Watcher</i>
■	PWST2IA	Star Tracker 1 Voltage Monitor (Via PCDU 2B)	22.7	Volts	
●	PWST21B	Star Tracker 2 Voltage Monitor (Via PCDU 2A)	32.2	Volts	<input checked="" type="checkbox"/> <i>Watching</i>
●	PWHTR11PV	Star Tracker 1 Voltage Monitor (Via PCDU 3B)	38.1	Volts	
●	PWST2VB	Star Tracker 2 Voltage Monitor (Via PCDU 3A)	39.6	Volts	
●	HTR08PPW	Star Tracker 1 Heater 8P Switch Power	89.2	Deg	
●	HTR08PPW	Star Tracker 1 Heater 8P Switch Power	92.4	Deg	
●	HTR08PPW	Star Tracker 1 Heater 8P Switch Power	91.9	Deg	
●	HTR08RPW	Star Tracker 1 Heater 8R Switch Power	88.2	Deg	
●	HTR08RPW	Star Tracker 1 Heater 8R Switch Power	75.2	Deg	
●	HTR08RPW	Star Tracker 1 Heater 8R Switch Power	79.3	Deg	
●	HTR11PPW	Star Tracker 2 Heater 11P Switch Power	66.5	Deg	
●	HTR11PPW	Star Tracker 2 Heater 11P Switch Power	90.4	Deg	
●	HTR11PPW	Star Tracker 2 Heater 11P Switch Power	93.7	Deg	
●	HTR11RPW	Star Tracker 2 Heater 11R Switch Power	85.3	Deg	