## List of screens

SP-1808

**Screen 1:** Header and footer

Screen 2: Taranta - MVP Monitoring and control

**Screen 3:** Categories brainstorming

Screen 4: Telescope overview

Screen 5: Subarray

Screen 6: CSP

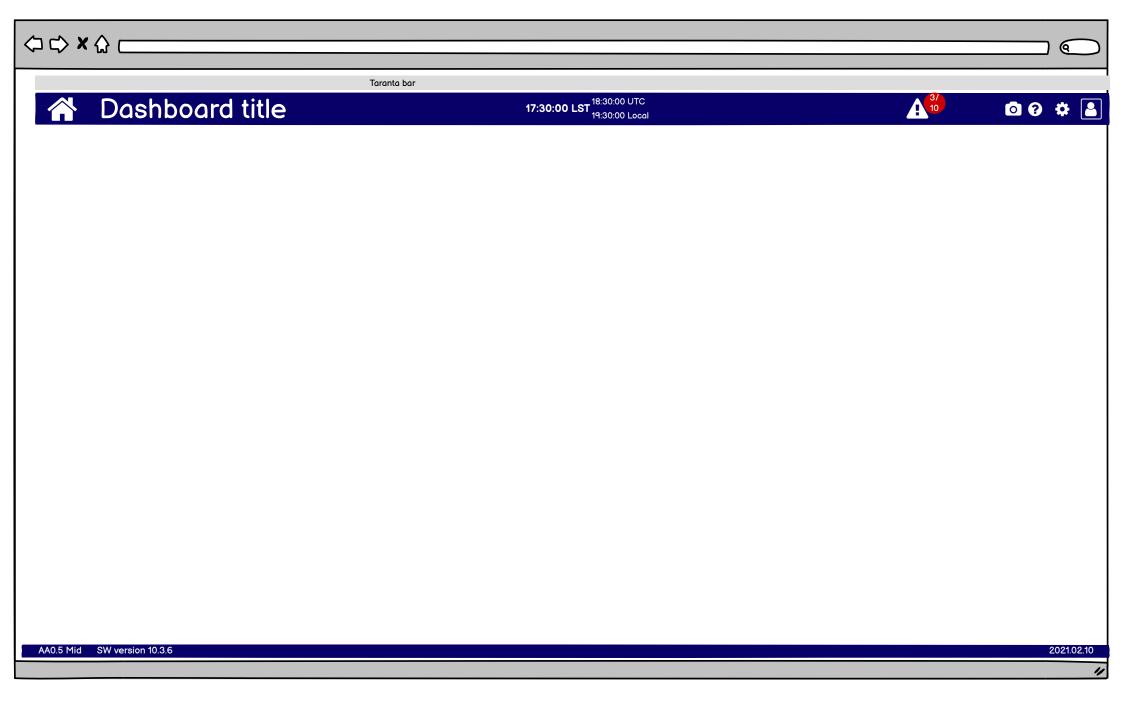
Screen 7: Styles guideline

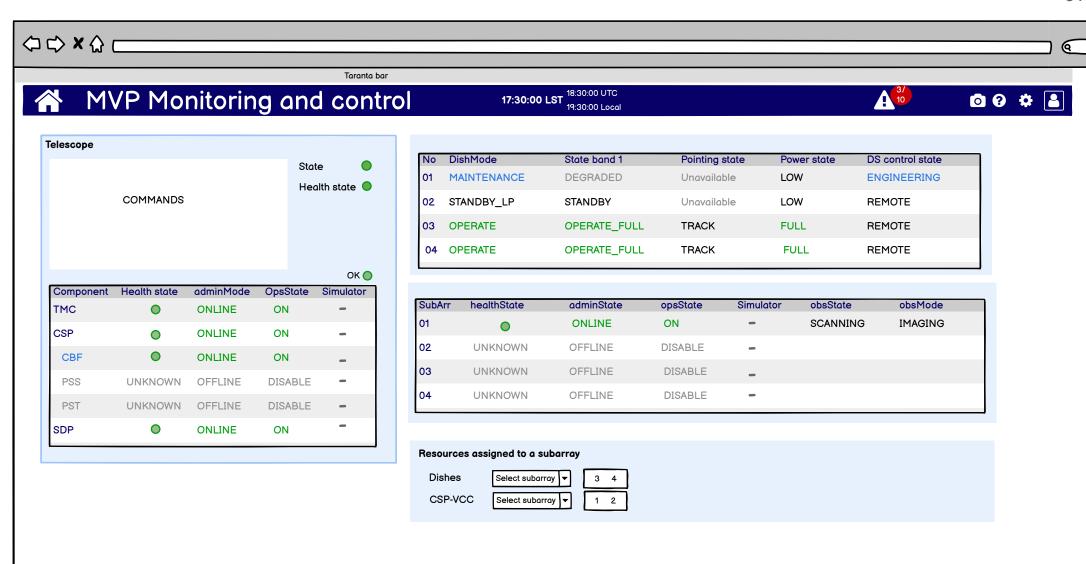
**Screen 8:** Header style preliminary study (versions)

Screen 9: Dashboard UI (general view - highlighting)

Screen 10: Use of icons - proof of concept

SP-1808 Header and footer





Receptors (antennas)

assigned/nominal degraded/assigned not operational returning to operation

state
health
pointing
subarray health

Environment

sensors list (cooling, temperature, power..) graphs weather sensors System Health

Rolled up health status of subsystems: Alarms Time sync Resource usage (CPU, memory, disk...) Connections System logs

Platforms
clusters
nodes
workers

Tests

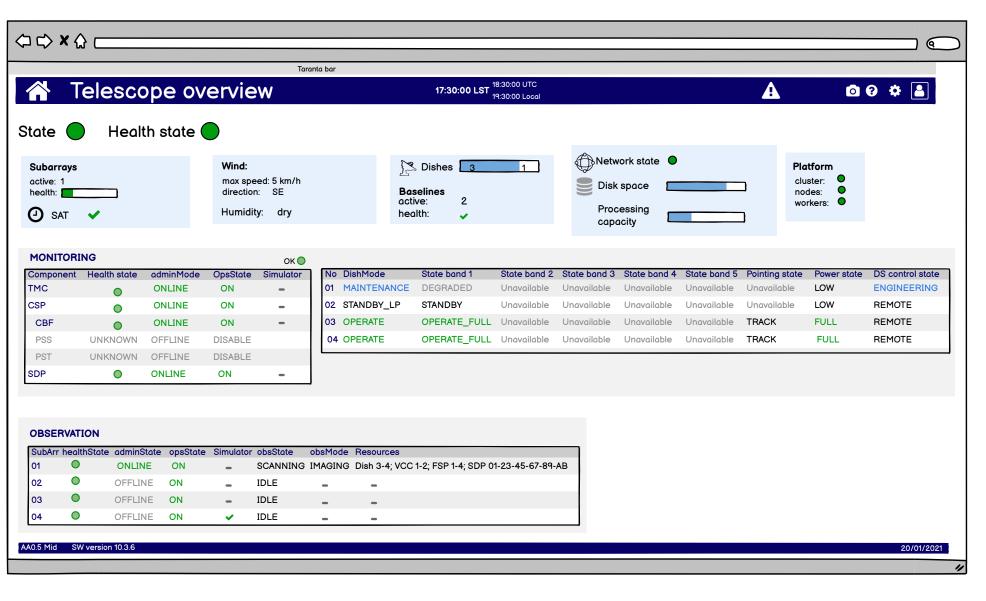
create/modify tests test results test planner test reports test ticketing system Observation

Subarrays health
Active subarrays
Active scan(s) (SB(s))
status
Scan type
Pipelines
Quick looks
Real-time calibration

Create/modify a scan (SB) plan/schedule a scan (SB) User procedures and logs

wiki user logs Control system

SP-1808 Overview



This screen is an attempt to drive the attention on the possibility to consider rolled up values that can reliably describe the telescope state. SP-1808 Subarray

ONLINE

ON

CORR

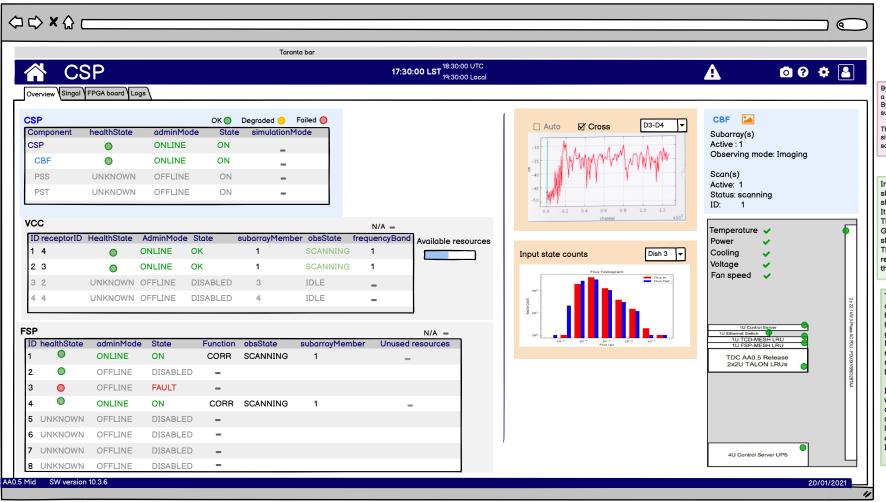
**SCANNING** 



Only the FSPs used by the

subarray will be shown

SP-1808 CSP (detailed)



Alternative representation of the subarray membership. It shows all 4 subarrays with a green think to highlight the FSP membership

									Used ❤️ N/A =
ID healthState	adminMode	State	Function	obsState	Subarray 1	Subarray 2	Subarray 3	Subarray 4	Unused resources
1	ONLINE	ON	CORR	SCANNING	✓	_	-	_	-
2	OFFLINE	DISABLED				-	_	_	
3	OFFLINE	FAULT				-	-	_	
4	ONLINE	ON	CORR	SCANNING	✓	-	_	_	_
5 UNKNOWN	OFFLINE	DISABLED							
6 UNKNOWN	OFFLINE	DISABLED							
7 UNKNOWN	OFFLINE	DISABLED							
8 UNKNOWN	OFFLINE	DISABLED							

By selecting the CBF components in the CSP table the user is shown a summary of the state of CBF. By selecting the image icon next to CBF the user will be shown a subset of relevant quick looks.

This idea needs to be explored more considering more complex situations (more subarrays active, different types of observations and

Input state counts 1 per VCC (dish). We should give the ability to choose the dish or show all 4.

It updates dynamically.

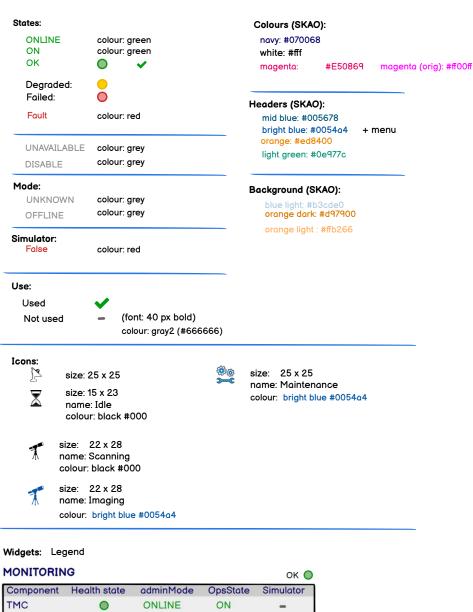
The expected shape approximates a Gaussian distribution. Both polarizations should be shown.

The image on the right isn't a realistic representation, the goal was only to convey the idea

This rack represents the configuration at AA.0.5 as reported

https://confluence.skatelescope.or g/display/SE/Mid+CBF+AA0.5 More detailed screens will be needed as well as a better representation when more HW will be installed.

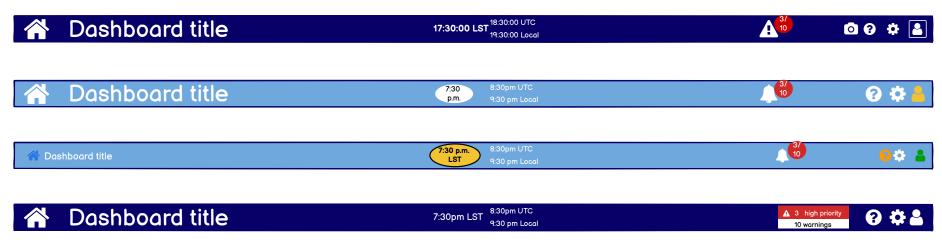
If any problem is detected the LED will change colour and the user will open a detailed view where more specific values are reported. the list of monitoring points is available in the CSP Mid to TM ICD.



Widgets: Table

Widgets. Table									
N	DishMode	State band 1	State ban	State ban	State ban	State ban	Pointing st	Power st	DS control st
01	MAINTENAN	DEGRADED	Unavailab	Unavailab	Unavailab	Unavailab	Unavailabl	LOW	ENGINEERI
02	STANDBY_L	STANDBY	Unavailab	Unavailab	Unavailab	Unavailab	Unavailabl	LOW	REMOTE
03	OPERATE	OPERATE_F	Unavailab	Unavailab	Unavailab	Unavailab	TRACK	FULL	REMOTE

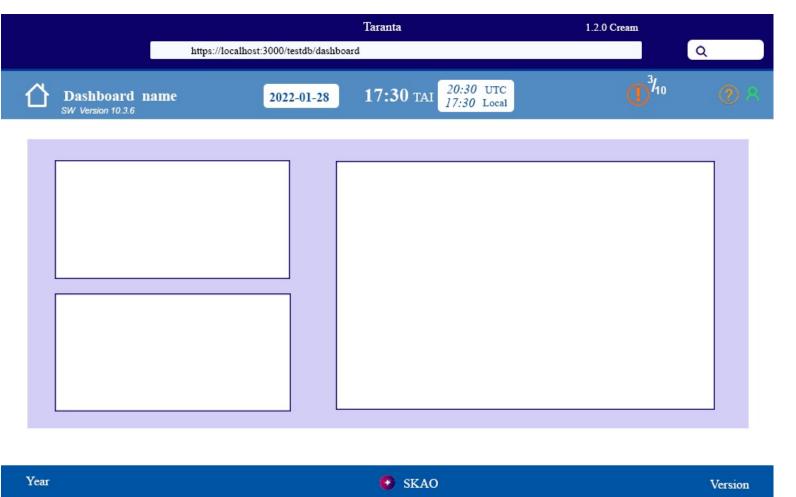
Example of a style guidelines that will need to be provided to support the UI developers in their work



Different options for the header. The goal is to give an example of how colours and shapes can change what drives attention.

Proof of concept.

layout - highlighting 10 / 11



## Colours

Base:

branding colours .

https://docs.google.com/document/d/1phPgYhUiCkC 4T\_5DecQhe9D\_cUtR8U1QxtddU6xePRA/edit

Headings / subheadings at the

blue background

Green colour: User icon

Yellow colour: Help icon

Black colour: Custom time

This frame represents an alternative view where different colours and font styles are used to distinguish between different information.

It is just an example to introduce

the topic.

An exmaple of using icon to simplify

the interpretation of some states. the chosen icons are just examples,

