Issue	People	Cash Required	Time	Responsible Person	Short Project Plan	Prio-rity
SAMS	Many	Budgetted	End 2015?	Chris		P0
Tracker Upgrade	Many	Budgetted	End 2015?	Raoul		P0
New RSS Guider	JB/Mech Eng/ Elec Eng? (Stephen Hulme?)	R3.9M (H/W:R0.7M People: R3.2M	9-12 months	Janus	Consolidate require-ments from Tech Ops and SAs to draw up a conceptual design and project plan for a new RSS guide	P0
False Alarm Errors	All S/W Team	None	6 months	DM	o Audit each subsystem's errors and improve the alarm text o Create central repository of safe ranges (to augment alarm text) o Update each sub-system's software to not generate false alarms o Define a hierarchical system of handling / masking alarms o Implement a heuristic filter in TCS that can "downgrade" alarms to warnings	P0
HRS Handover	Eric	None	3 months?	Eric		P0
HRS Pipeline	Eric+team	None	?	Eric		P0

Issue	People	Cash Required	Time	Responsible Person	Short Project Plan	Prio-rity
Scheduling Tools	PV / ERC /BM/ JPK + SAs as needed	None	2 months	Petri	Produce semester simulations in 2 months, verify that the newly adopted scoring algorithm works, analyse new 2015-1 semester blocks when they become available.	P0
RSS Polarimetry Commissioning	SBP/Eric/ Keith/Ant-hony/SAs/ Ken	None		Steve P		P0
Stray Light	Mech, Elec, Petri	None	Ongoing	Keith / Petri	Quantify level of stray-light with standard tests, on and off-sky. Target is readout noise level	P0

Issue	People	Cash Required	Time	Responsible Person	Short Project Plan	Prio-rity
RSS Throughput	OS + 0.4 x Drafter	R1.7M	18 months	Ockert	Replace RSS Collimator Triplet and Doublet	P1
SAC Throughput	DOD / OS	Small	12 months	Darragh	Initial study requires measuring the SAC throughput to determine if cleaning is needed	P1
Detector Performance Monitoring	Steve C + Christian	None	2 FTE-months	Steve C	Identify the different data quality measurements that are required. Write software to log them into the database. Integrate display of the results into the SALT dashboard pages	P1
RSS Fabry-Perot	Ted+ERC+ Keith+Eben	None	1 month	Ted	Assemble and align all 3 F-P etalons, commission dual etalon mode off sky (calsys) and on sky	P1

Issue	People	Cash Required	Time	Responsible Person	Short Project Plan	Prio-rity
Short term S/W Fixes	JB, DM, AK, SH	None	3 months	Janus	Payload calibration system upgrades 1. Payload parallel operation 2.Payload robustness 3. FITS headers consistency 4. WebSammi, TodoList, ELS Web-Viewer hand-over 5. PCON: Fabry-Perot workflow improvements	P1
Seeing Monitor	JPK + Steve C	R30 k	3 months	Paul	Check the current hardware and service the mount. Clean-up and improve the current software. Install a hard limit switch on the mount	P1
Night time Tech. Support Response	CC + Tech Ops standby	None (but TOIL increases)	2015 May	Chris	Standby people to be at hand for one hour after night operations have commenced	P1

Issue	People	Cash Required	Time	Responsible Person	Short Project Plan	Prio-rity
Light Pollution	CC+LT+JM	R50 k	Ongoing from now	Chris/Luke	o Implement a checklist for Site standby personnel to follow-up and switch-off sources of light pollution o Make up a list of required blinds and or curtains in hostel and Rec Center o Procure and install blinds and curtains. o Decide how residents could be compensated for making their houses more light tight	P1

Issue	People	Cash Required	Time	Responsible Person	Short Project Plan	Prio-rity
Long Term Payload H/W	EW+JL+ES	? (prestudy reqd)	2016	Eben	o Identify all unreliable and or end-of-life and or obsolete hardware in the payload, such as mechanisms (fold mirrors, focus cameras, DMI? etc.) o Design modifications and or new hardware o Install modifications or replace with new h/w where possible, in-situ, and or when the RSS is taken down for collimator repair and or when the NIR is installed Note: many modifications have been implemented in the past so the ones' in question can only be reached when the RSS is taken down.	P2

Issue	People	Cash Required	Time	Responsible Person	Short Project Plan	Prio-rity
Flatfield Calibrations	AK, AS, PV + AstOps	None	9 months	Alexei	o Assess Ken's and DOD's remarks by June, and decide what is needed. o Plan and run further tests during July-Oct. o Implement changes and/or other flat-fielding systems from Nov 2015-2 semester, if something useful has been identified	P2
Optical Performance Monitoring	DOD + Mech Eng+?	Small	24 months	Darragh	Develop methods and hardware to measure the optical perform-ance of sub-systems of the telescope and instruments	P2

Issue	People	Cash Required	Time	Responsible Person	Short Project Plan	Prio-rity
Long Term Telescope S/W	All S/W Team	Small-Medium	12-24 months	Janus	1. Data Distribution Service: Roll out DDS as middleware on the SALT control system 2. Payload on Linux: Port all Payload drivers and hardware interfaces to Linux for more robust operation. 3. PCON control system upgrade (obsolescence): 4. Migrate RSS to new hardware solution	P2
Dome Seeing Investigation	OS +	R70-90k	5-7 FTE-months	Ockert		P2

Issue	People	Cash Required	Time	Responsible Person	Short Project Plan	Prio-rity
OCS	JB / AK / SH / ERC	None	6-12	Janus	Develop updated OCS user interface and workflow at the telescope to automate operations to a much larger degree: 1. Single-block configuration of RSS, HRS and SALTICAM 2. Configuration of calibrations from the SDB 3. Automation of multi-block sequences, guidance and payload setup 4. Automation of standards, arcs and flats	P2
SDB/FT/Statistics	ERC/JPK/CH/SC +	None	6-12 months	Encarni / Paul	Data mine and analyse data stored in various SALT databases, from the ELS to the SDB, to contribute to and improve short and long term decision making in the running of SALT	P2

Issue	People	Cash Required	Time	Responsible Person	Short Project Plan	Prio-rity
Unstable RSS Mechanics	KB,EW,WL, MW,ES	None	2 months	Keith	Fix / replace RSS filter, grating, and slit mask mechanisms	P3
Humidity Control Study	OS + ?	R70-90k	5-7 FTE-months	Ockert		P3
Structure Cable Wrap Study	RvdB	R400k	End 2016 June	RvdB		P3

Notes:

Comments on people for the following projects:
SAMS: Deon (or replacement) will need to support software for the remainder of this project.
HRS Handover - whole software team will be involved in this in addition to Eric, et al.
RSS Polarimetry - software involvement required from Anthony and Deneys.

"Missing" projects that should be kept in mind as they will take up significant amounts of effort during 2015/16:
1. Preparation for RSS NIR integration (software changes to PCON and TCS as well as managing development at Wisconsin).
2. BMS upgrade: BMS control software is being completely rewritten to replace existing system - expected deployment later in 2015.