

#### qplan and Simulations

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# Today



- Part 1
   qplan inputs
   qplan layout and function
   qplan outputs
- Part 2
   Effects of different weights
- Part 3 Simulation scenarios

# Observing blocks

A	В	С	D	E	F	G	Н	I
Code	tgtcfg	inscfg	telcfg	envcfg	On-src Time	Total Time	Priority	Comment
n1234_g1	n1234	g_300x5	p_opt2	dark_s0.8_am2_trans0.8	1500	1700	1	
n1234_g2	n1234	g_300x5	p_opt2	dark_s0.8_am2_trans0.8	1500	1700	1	
n1234_g3	n1234	g_300x5	p_opt2	dark_s0.8_am2_trans0.8	1500	1700	1	
n1234 i1	n1234	i_300x4	p_opt2	gray_s1_am2.5_trans0.5	1200	1360	1	
n1234 # r1	n1234	r_300x1	p_opt2	gray_s1_am2.5_trans0.5	300	340	2	
This is OB y1	n1234	Y_300x6	p_opt2	gray_s1_am2.5_trans0.5	1800	2040	3	
This is OB y2	2 n1234	Y_300x6	p_opt2	gray_s1_am2.5_trans0.5	1800	2040	3	
This is OB y3	3 n1234	Y_300x6	p_opt2	gray_s1_am2.5_trans0.5	1800	2040	3	
This is OB y4	n1234	Y_300x6	p_opt2	gray_s1_am2.5_trans0.5	1800	2040	3	
					#N/A	#N/A		
10	H9000	g_300x5	p_opt2	dark_s0.8_am2_trans0.8	1500	1700	1	
11	H9000	g_300x5	p_opt2	dark_s0.8_am2_trans0.8	1500	1700	1	
12	H9000	g_300x5	p_opt2	dark_s0.8_am2_trans0.8	1500	1700	1	
13	H9000	i_300x4	p_opt2	gray_s1_am2.5_trans0.5	1200	1360	1	
14	H9000	r_300x1	p_opt2	gray_s1_am2.5_trans0.5	300	340	2	
15	H9000	Y_300x6	p_opt2	gray_s1_am2.5_trans0.5	1800	2040	3	
16	H9000	Y_300x6	p_opt2	gray_s1_am2.5_trans0.5	1800	2040	3	
17	H9000	Y_300x6	p_opt2	gray_s1_am2.5_trans0.5	1800	2040	3	
18	H9000	Y_300x6	p_opt2	gray_s1_am2.5_trans0.5	1800	2040	3	
•				s" defined in			1	
			COUE					

targets, envcfg, inscfg, telcfg

Customized OB codes reported in qplan

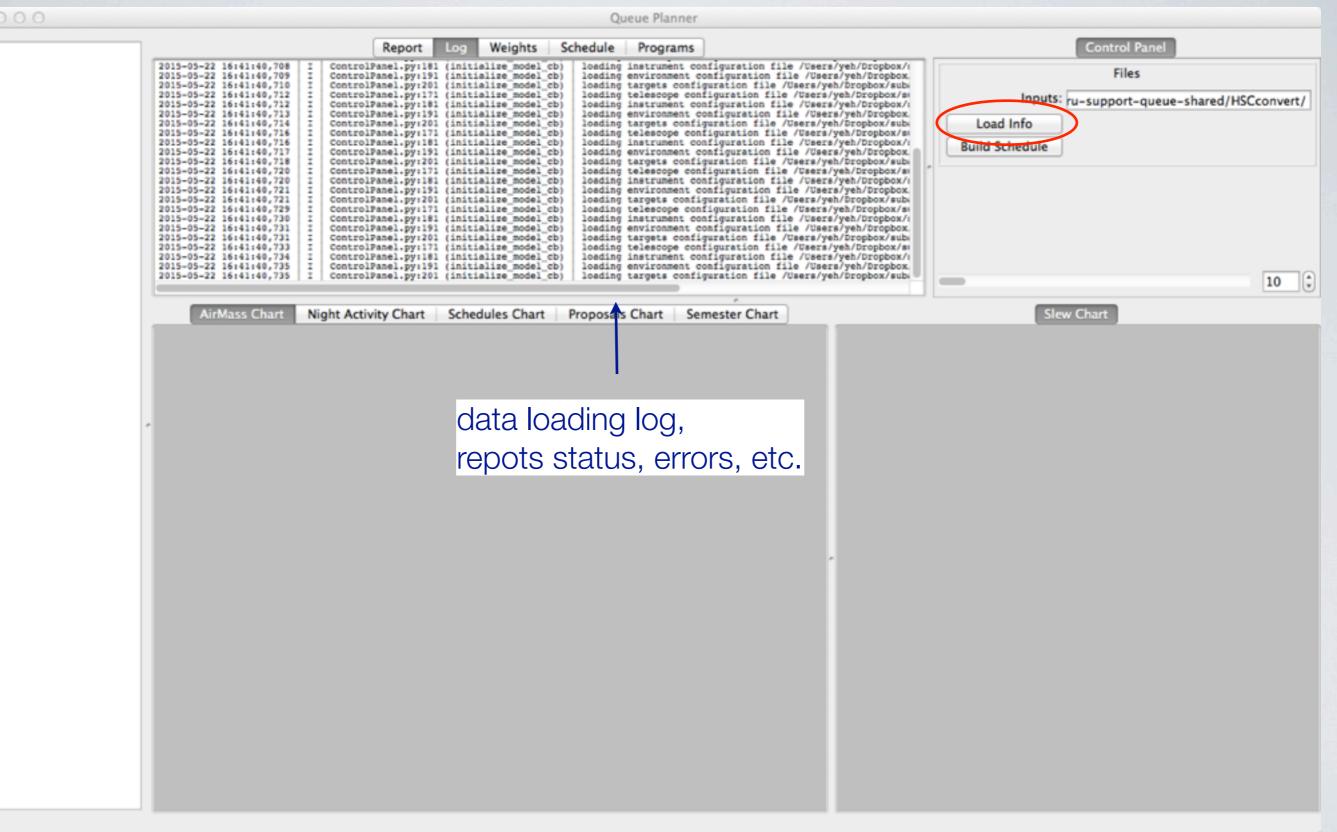
OB priorities within one proposal 1 is highest Note: Priority 1 OBs are not always executed first

#### qplan input 1: load OB info

0.0	Queue Planner	
	Report Log Weights Schedule Programs	Control Panel
2015-03-22       16+61+6         2015-03-23       16+61+6	0,708 I ControlPanel.py181 (initialize model cb) loading instrument configuration file /Users/yeh/Dropbox/sub 0,710 I ControlPanel.py191 (initialize model cb) loading environment configuration file /Users/yeh/Dropbox/sub 0,712 I ControlPanel.py191 (initialize model cb) loading targets configuration file /Users/yeh/Dropbox/sub 0,712 I ControlPanel.py191 (initialize model cb) loading targets configuration file /Users/yeh/Dropbox/sub 0,713 I ControlPanel.py191 (initialize model cb) loading targets configuration file /Users/yeh/Dropbox/sub 0,714 I ControlPanel.py191 (initialize model cb) loading targets configuration file /Users/yeh/Dropbox/sub 0,715 I ControlPanel.py191 (initialize model cb) loading targets configuration file /Users/yeh/Dropbox/sub 0,716 I ControlPanel.py191 (initialize model cb) loading targets configuration file /Users/yeh/Dropbox/sub 0,716 I ControlPanel.py191 (initialize model cb) loading targets configuration file /Users/yeh/Dropbox/sub 0,717 I ControlPanel.py191 (initialize model cb) loading targets configuration file /Users/yeh/Dropbox/sub 0,718 I ControlPanel.py191 (initialize model cb) loading targets configuration file /Users/yeh/Dropbox/sub 0,719 I ControlPanel.py191 (initialize model cb) loading targets configuration file /Users/yeh/Dropbox/sub 0,720 I ControlPanel.py191 (initialize model cb) loading targets configuration file /Users/yeh/Dropbox/sub 0,721 I ControlPanel.py191 (initialize model cb) loading targets configuration file /Users/yeh/Dropbox/sub 0,721 I ControlPanel.py191 (initialize model cb) loading targets configuration file /Users/yeh/Dropbox/sub 0,731 I ControlPanel.py191 (initialize model cb) loading targets configuration file /Users/yeh/Dropbox/sub 0,731 I ControlPanel.py191 (initialize model cb) loading targets configuration file /Users/yeh/Dropbox/sub 0,731 I ControlPanel.py191 (initialize model cb) loading targets configuration file /Users/yeh/Dropbox/sub 0,731 I ControlPanel.py191 (initialize model cb) loading targets configuration file /Users/yeh/Dropbox/sub 0,731	Files         Inputs:       u-support-queue-shared/HSCconvert/         Load Info       Build Schedule         10       :    Slew Chart

qplan: developed by OCS, a python-based software

#### qplan input 1: load OB info



qplan: developed by OCS, a python-based software

# qplan input 2: weights

O O O Queue Planner	
Report Log Weights Schedule Programs	Control Panel
File Edit	Files
Slew Delay Filter Rank Priority	Inputs: ru-support-queue-shared/HSCconvert/
1 0.2 0.2 0.3 0.3 0.1	Load Info
	Build Schedule
	-
AirMass Chart Night Activity Chart Schedules Chart Proposals Chart Semester	

# qplan input 2: weights

Report       Log       Weights       Schedule       Programs       Control Pase!         File       Inputs:       u=uue-shared/HSCconvert/       Load info         I 0.2 0.2 0.3 0.3 0.1       Proposal rank and filter exchange overheads are most important       Imputs:       u=uue         I 0 2 0.2       Virkass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart
Slew Delay Filter Rank Priority 1 0.2 0.2 0.3 0.3 0.1 Proposal rank and filter exchange overheads are most important 10 0
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10 🗘
AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart         Image: AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart

## qplan input 3: schedule

File       Edit         date       start time       end time       iategorie:       nstrument:       filters       ransparency way seeing dome note       Inputs:       u-support-gueue-shared/HSCcom         2       2015-03-12       19:23:00       05:39:00       SP       HSC       g       0.9       0.5       open         2       2015-03-13       19:23:00       05:38:00       GT       HSC       gr.i,z,yN8921       0.9       0.5       open         4       2015-03-15       19:24:00       05:36:00       UH       HSC       gr.i,z,yN8921       0.9       0.5       open         5       2015-03-16       19:24:00       05:36:00       SSP       HSC       gr.i,z,yN8921       0.9       0.5       open         6       2015-03-16       19:24:00       05:36:00       SSP       HSC       gr.i,z,yN8921       0.9       0.5       open         8       2015-03-19       19:25:00       05:33:00       SSP       HSC       gr.i,z,yN8921       0.9       0.5       open       10         2015-03-19       19:25:00       05:32:00       OPEN       HSC       gr.i,z,yN8921       0.9       0.5       open       10         2015-03-20				R	eport Lo	g Weight	s Schedule	Programs					Control Panel	
1       2015-03-12       19:23:00       05:39:00       SSP       HSC       g       0.9       0.5       open         2       2015-03-13       19:23:00       05:38:00       GT       HSC       g:r,i,z;y,N8921       0.9       0.5       open         3       2015-03-16       19:24:00       05:36:00       GT       HSC       g:r,i,z;y,N8921       0.9       0.5       open         4       2015-03-16       19:24:00       05:36:00       UH       HSC       g:r,i,z;y,N8921       0.9       0.5       open         5       2015-03-16       19:24:00       05:36:00       UH       HSC       g:r,i,z;y,N8921       0.9       0.5       open         6       2015-03-16       19:24:00       05:36:00       UH       HSC       g:r,i,z;y,N8921       0.9       0.5       open         7       2015-03-18       19:25:00       05:33:00       SSP       HSC       g:r,i,z;y,N8921       0.9       0.5       open         8       2015-03-20       19:25:00       05:33:00       SSP       HSC       g:r,i,z;y,N8921       0.9       0.8       open       10         XirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart	File	e Edit											Files	
1       2015-03-12       19:23:00       05:39:00       SSP       HSC       g       0.9       0.5       open         2       2015-03-13       19:23:00       05:38:00       CT       HSC       g:r,i,z,y,N8921       0.9       0.5       open         3       2015-03-14       19:24:00       05:37:00       CT       HSC       g:r,i,z,y,N8921       0.9       0.5       open         4       2015-03-16       19:24:00       05:36:00       UH       HSC       g:r,i,z,y,N8921       0.9       0.5       open         5       2015-03-16       19:24:00       05:36:00       UH       HSC       g:r,i,z,y,N8921       0.9       0.5       open         6       2015-03-18       19:25:00       05:33:00       SSP       HSC       g:r,i,z,y,N8921       0.9       0.5       open         8       2015-03-12       19:25:00       05:33:00       SSP       HSC       g:r,i,z,y,N8921       0.9       0.5       open         9       2015-03-20       19:25:00       05:33:00       SSP       HSC       g:r,i,z,y,N8921       0.9       0.5       open         9       2015-03-20       19:25:00       05:32:00       DFEN       HSC       g:r,i,z		date	start time	end time	:ategories	nstrument:	filters	ransparency	1vg seeing	dome note		Input	s: ru-support-queue-shared/H	SCconv
3       2015-03-14       19:24:00       05:37:00       CT       HSC       g.r.i.z.y.NB921       0.9       0.5       open         4       2015-03-15       19:24:00       05:36:00       SSP       HSC       g.r.i.z.y.NB921       0.9       0.5       open         5       2015-03-16       19:24:00       05:36:00       SSP       HSC       g.r.i.z.y.NB921       0.9       0.5       open         6       2015-03-18       19:25:00       05:36:00       SSP       HSC       g.r.i.z.y.NB921       0.9       0.5       open         7       2015-03-18       19:25:00       05:36:00       TEX       HSC       g.r.i.z.y.NB921       0.9       0.5       open         8       2015-03-19       19:25:00       05:33:00       SSP       HSC       g.r.i.z.y.NB921       0.9       0.5       open         9       2015-03-20       19:26:00       05:32:00       PEN       HSC       g.r.i.z.y.NB921       0.9       0.8       open       10         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart	1	2015-03-12			-			1				Load Info		
3       2015-03-14       19:24:00       05:37:00       CT       HSC       g:r,i,z,y,N8921       0.9       0.5       open         4       2015-03-15       19:24:00       05:36:00       SSP       HSC       g:r,i,z,y,N8921       0.9       0.5       open         5       2015-03-16       19:24:00       05:36:00       SSP       HSC       g:r,i,z,y,N8921       0.9       0.5       open         6       2015-03-16       19:24:00       05:35:00       SSP       HSC       g:r,i,z,y,N8921       0.9       0.5       open         7       2015-03-18       19:25:00       05:33:00       SSP       HSC       g:r,i,z,y,N8921       0.9       0.5       open         8       2015-03-19       19:25:00       05:32:00       OPEN       HSC       g:r,i,z,y,N8921       0.9       0.8       open       0         9       2015-03-20       19:26:00       05:32:00       OPEN       HSC       g:r,i,z,y,N8921       0.9       0.8       open       0         9       2015-03-20       19:26:00       05:32:00       OPEN       HSC       g:r,i,z,y,N8921       0.9       0.8       open       0         Schedule Chart       Night Activity Chart	2	2015-03-13	19:23:00	05:38:00	GT	HSC	g,r,i,z,y,NB921	0.9	0.5	open		Build Schedule	Ť	
5       2015-03-16       19:24:00       05:36:00       UH       HSC       gr,ri,z,y,NB921       0.9       0.5       open         6       2015-03-17       19:25:00       05:35:00       SSP       HSC       gr,ri,z,y,NB921       0.9       0.5       open         7       2015-03-18       19:25:00       05:33:00       SSP       HSC       gr,ri,z,y,NB921       0.9       0.5       open         8       2015-03-19       19:25:00       05:33:00       SSP       HSC       gr,ri,z,y,NB921       0.9       0.5       open         9       2015-03-20       19:26:00       05:32:00       OPEN       HSC       gr,ri,z,y,NB921       0.9       0.8       open       10         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart	3	2015-03-14	19:24:00	05:37:00	CT	HSC	g,r,i,z,y,NB921	0.9	0.5	open			_	
6       2015-03-17       19:25:00       05:35:00       SSP       HSC       g,r,i,z,y,NB921       0.9       0.5       open         7       2015-03-18       19:25:00       05:33:00       SSP       HSC       g,r,i,z,y,NB921       0.9       0.5       open         8       2015-03-19       19:25:00       05:33:00       SSP       HSC       g,r,i,z,y,NB921       0.9       0.5       open         9       2015-03-20       19:26:00       05:32:00       OPEN       HSC       g,r,i,z,y,NB921       0.9       0.8       open       10	4	2015-03-15	19:24:00	05:36:00	SSP	HSC	g,r,i,z,y,NB921	0.9	0.5	open				
7       2015-03-18       19:25:00       05:34:00       TEX       HSC       g,r,i,z,y,NB921       0.9       0.5       open         8       2015-03-19       19:25:00       05:33:00       SSP       HSC       g,r,i,z,y,NB921       0.9       0.5       open       0	5	2015-03-16	19:24:00	05:36:00	UH	HSC	g,r,i,z,y,NB921	0.9	0.5	open				
8       2015-03-19       19:25:00       05:33:00       SSP       HSC       g,r,i,z,v,NB921       0.9       0.5       open       10         9       2015-03-20       19:26:00       05:32:00       OPEN       HSC       g,r,i,z,v,NB921       0.9       0.8       open       10         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart       Slew Chart         Schedules one night, selected nights, entire semester, etc.	6	2015-03-17	19:25:00	05:35:00	SSP	HSC	g,r,i,z,y,NB921	0.9	0.5	open				
9 2015-03-20 19:26:00 05:32:00 OPEN HSC g,r,i,z,y,NB921 0.9 0.8 open 10 AirMass Chart Night Activity Chart Schedules Chart Proposals Chart Semester Chart Semester Chart Stew Chart Stew Chart Stew Chart Schedule one night, selected nights, entire semester, etc.	7	2015-03-18	19:25:00	05:34:00	TEX	HSC	g,r,i,z,y,NB921	0.9	0.5	open				
AirMass Chart Night Activity Chart Schedules Chart Proposals Chart Semester Chart Slew Chart Slew Chart Slew Chart Schedule one night, selected nights, entire semester, etc.	8	2015-03-19	19:25:00	05:33:00	SSP	HSC	g,r,i,z,y,NB921	0.9	0.5	open				
AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart         Schedule one night, selected nights, entire semester, etc.	9	2015-03-20	19:26:00	05:32:00	OPEN	HSC	g,r,i,z,y,NB921	0.9	0.8	open		_		10
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Can eair transparency and seeing during the hight then reschedule.									nester Char	t	ster e		lew Chart	
		Sche	dule	one	night	, sele	cted ni	ghts, e	nester Char	seme		tc.		10
		Sche	dule	one	night	, sele	cted ni	ghts, e	nester Char	seme		tc.		
		Sche	dule	one	night	, sele	cted ni	ghts, e	nester Char	seme		tc.		10
		Sche	dule	one	night	, sele	cted ni	ghts, e	nester Char	seme		tc.		10
		Sche	dule	one	night	, sele	cted ni	ghts, e	nester Char	seme		tc.		10
		Sche	dule	one	night	, sele	cted ni	ghts, e	nester Char	seme		tc.		10
		Sche	dule	one	night	, sele	cted ni	ghts, e	nester Char	seme		tc.		
		Sche	dule	one	night	, sele	cted ni	ghts, e	nester Char	seme		tc.		

## qplan input 3: schedule

4       2015-03-15       19:24:00       05:36:00       SSP       HSC       g,r,i,z,y,NB921       0.9       0.5       open         5       2015-03-16       19:24:00       05:36:00       UH       HSC       g,r,i,z,y,NB921       0.9       0.5       open         6       2015-03-17       19:25:00       05:35:00       SSP       HSC       g,r,i,z,y,NB921       0.9       0.5       open         7       2015-03-18       19:25:00       05:34:00       TEX       HSC       g,r,i,z,y,NB921       0.9       0.5       open         8       2015-03-19       19:25:00       05:33:00       SSP       HSC       g,r,i,z,y,NB921       0.9       0.5       open				R	eport	Log Weigh	nts Schedule	Programs									Contro	l Panel				
date       start time       end time       tategorie:       nstrument:       filters       tansparenci wg seeing       dome       note         1       2015-03-12       19:23:00       05:39:00       SSP       HSC       g       0.9       0.5       open       Load       Load       Info         2       2015-03-13       19:23:00       05:38:00       CT       HSC       g:r,i,z,y.N8921       0.9       0.5       open       Load       Info         3       2015-03-15       19:24:00       05:36:00       SSP       HSC       g:r,i,z,y.N8921       0.9       0.5       open       Build Schedule         4       2015-03-15       19:24:00       05:36:00       SSP       HSC       g:r,i,z,y.N8921       0.9       0.5       open       0.5       open       0.5       open       0.5       open       0.5       open       0.5       0.5       0.5       0.5       0.9       0.5       open       0.5       0.5	Fil	e Edit							, 								Fi	les				
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2       2015-03-13       19:23:00       05:38:00       CT       HSC       g,r,i,z,y,NB921       0.9       0.5       open         3       2015-03-14       19:24:00       05:36:00       SSP       HSC       g,r,i,z,y,NB921       0.9       0.5       open         4       2015-03-16       19:24:00       05:36:00       SSP       HSC       g,r,i,z,y,NB921       0.9       0.5       open         5       2015-03-16       19:24:00       05:36:00       SSP       HSC       g,r,i,z,y,NB921       0.9       0.5       open         6       2015-03-17       19:25:00       05:35:00       SSP       HSC       g,r,i,z,y,NB921       0.9       0.5       open         7       2015-03-18       19:25:00       05:33:00       SSP       HSC       g,r,i,z,y,NB921       0.9       0.5       open         8       2015-03-19       19:25:00       05:32:00       OPEN       HSC       g,r,i,z,y,NB921       0.9       0.8       open       Weather info       10          9       2015-03-20       19:26:00       05:32:00       OPEN       HSC       g,r,i,z,y,NB921       0.9       0.8       open       Weather info       10 <td co<="" th=""><th>1</th><th></th><th>1</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>note</th><th></th><th></th><th>_</th><th></th><th>`</th><th>a-sappo</th><th>-queu</th><th>e-snarev</th><th>i) Hoce</th><th>, iive</th></td>	<th>1</th> <th></th> <th>1</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>note</th> <th></th> <th></th> <th>_</th> <th></th> <th>`</th> <th>a-sappo</th> <th>-queu</th> <th>e-snarev</th> <th>i) Hoce</th> <th>, iive</th>	1		1								note			_		`	a-sappo	-queu	e-snarev	i) Hoce	, iive
3       2015-03-14       19:24:00       05:37:00       CT       HSC       gr.f.j.z.y.N8921       0.9       0.5       open         4       2015-03-15       19:24:00       05:36:00       SSP       HSC       gr.f.j.z.y.N8921       0.9       0.5       open         5       2015-03-16       19:24:00       05:36:00       UH       HSC       gr.f.j.z.y.N8921       0.9       0.5       open         6       2015-03-16       19:25:00       05:35:00       SSP       HSC       gr.f.j.z.y.N8921       0.9       0.5       open         7       2015-03-18       19:25:00       05:33:00       SSP       HSC       gr.f.j.z.y.N8921       0.9       0.5       open         8       2015-03-19       19:25:00       05:33:00       SSP       HSC       gr.f.j.z.y.N8921       0.9       0.5       open         9       2015-03-20       19:26:00       05:32:00       OPEN       HSC       gr.f.j.z.y.N8921       0.9       0.8       open       Weather info       10         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart	2										_			$\geq$		_						
4       2015-03-15       19:24:00       05:36:00       SSP       HSC       g,r,i,z,y,N8921       0.9       0.5       open         5       2015-03-16       19:24:00       05:36:00       UH       HSC       g,r,i,z,y,N8921       0.9       0.5       open         6       2015-03-17       19:25:00       05:35:00       SSP       HSC       g,r,i,z,y,N8921       0.9       0.5       open         7       2015-03-18       19:25:00       05:33:00       SSP       HSC       g,r,i,z,y,N8921       0.9       0.5       open         8       2015-03-20       19:26:00       05:32:00       OPEN       HSC       g,r,i,z,y,N8921       0.9       0.5       open         9       2015-03-20       19:26:00       05:32:00       OPEN       HSC       g,r,i,z,y,N8921       0.9       0.8       open       Weather info       10         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart	3							-		- · ·	_			BU	la Schea	lle						
5       2015-03-16       19:24:00       05:36:00       UH       HSC       g.r.i.z.y.NB921       0.9       0.5       open         6       2015-03-17       19:25:00       05:35:00       SSP       HSC       g.r.i.z.y.NB921       0.9       0.5       open         7       2015-03-18       19:25:00       05:33:00       SSP       HSC       g.r.i.z.y.NB921       0.9       0.5       open         8       2015-03-19       19:25:00       05:33:00       SSP       HSC       g.r.i.z.y.NB921       0.9       0.5       open         9       2015-03-20       19:26:00       05:32:00       OPEN       HSC       g.r.i.z.y.NB921       0.9       0.8       open       Weather info       10         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart         Schedule one night, selected nights, entire semester, etc.	4										_											
6 2015-03-17 19:25:00 05:35:00 SSP HSC g,r,i,z,y,NB921 0.9 0.5 open 7 2015-03-18 19:25:00 05:33:00 SSP HSC g,r,i,z,y,NB921 0.9 0.5 open 9 2015-03-20 19:26:00 05:32:00 OPEN HSC g,r,i,z,y,NB921 0.9 0.8 open 9 2015-03-20 19:26:00 05:32:00 OPEN HSC g,r,i,z,y,NB921 0.9 0.8 open AirMass Chart Night Activity Chart Schedules Chart Proposals Chart Semester Chart Stew Chart Schedule one night, selected nights, entire semester, etc.	5							-			_											
7       2015-03-18       19:25:00       05:34:00       TEX       HSC       g,r,i,z,y,NB921       0.9       0.5       open         8       2015-03-19       19:25:00       05:33:00       SSP       HSC       g,r,i,z,y,NB921       0.9       0.5       open       open       0	6									<u> </u>	_											
8       2015-03-19       19:25:00       05:33:00       SSP       HSC       g,r,i,z,y,NB921       0.9       0.5       open       Weather info       10         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart	7	2015-03-18	19:25:00	05:34:00	TEX	HSC			0.5	open												
9 2015-03-20 19:26:00 05:32:00 OPEN HSC g,r,l,z,y,N8921 0.9 0.8 open Weather info AirMass Chart Night Activity Chart Schedules Chart Proposals Chart Semester Chart Stew Chart	8	2015-03-19	19:25:00	05:33:00	SSP	HSC			0.5	open												
AirMass Chart Night Activity Chart Schedules Chart Proposals Chart Semester Chart Semester Chart Slew Chart	9	2015-03-20	19:26:00	05:32:00	OPEN	HSC			0.8	open	<b>`</b> \		าค	r ir	ofo						10	
									mester cha	rt		veath				Slew	(Chart				10	
					<u> </u>			ghts,	entire	e se	me	ester,	et	tc.							10	
					<u> </u>			ghts,	entire	e se	me	ester,	et	tc.							10	
					<u> </u>			ghts,	entire	e se	me	ester,	et	tc.							10	
					<u> </u>			ghts,	entire	e se	me	ester,	et	tc.							10	
					<u> </u>			ghts,	entire	e se	me	ester,	et	tc.							10	
					<u> </u>			ghts,	entire	e se	me	ester,	et	tc.							10	
					<u> </u>			ghts,	entire	e se	me	ester,	et	tc.							10	
					<u> </u>			ghts,	entire	e se	me	ester,	et	tc.							10	

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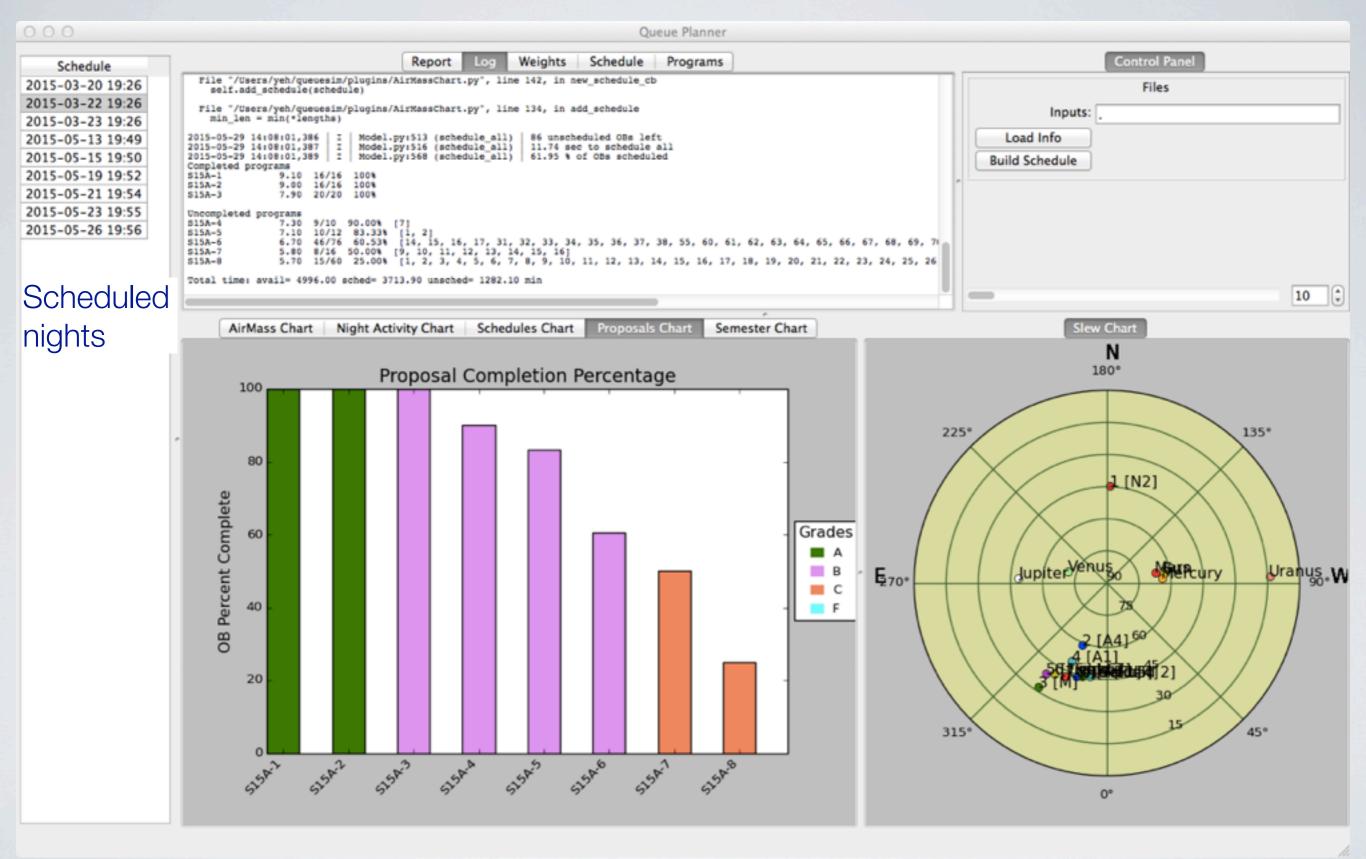
## qplan input 4: programs

File       Edit       Files         I       515A-1       515A02       9.1       OPEN       HSC       A       9.3       SUBARU         2       515A-2       515A02       9.1       OPEN       HSC       A       9.3       SUBARU         2       515A-2       515A02       9.1       OPEN       HSC       A       9.3       SUBARU         2       515A-2       515A03       9       OPEN       HSC       B       2.0       SUBARU         3       515A-4       515A00       7.9       OPEN       HSC       B       9.5       SUBARU       Build Schedule       Build Schedule         5       515A-5       515A00       6.7       OPEN       HSC       B       9.3       SUBARU ×       B       B       S15A-005       515A00       6.7       OPEN       HSC       B       9.3       SUBARU ×       B       B       S15A-005       S15A00       6.7       OPEN       HSC       B       9.3       SUBARU ×       B       B       B       S15A-005       S15A00       6.7       OPEN       HSC       B       9.3       SUBARU ×       B       B       B       B       S15A01       S15A02	proposal       propid       rank       tategory       nstrument       grade       hours       partner       skip         1       S1SA-1       S1SA007       OPEN       HSC       A       9.3       SUBARU         2       S1SA-3       S1SA007       7.9       OPEN       HSC       A       9.3       SUBARU         3       S1SA-3       S1SA007       7.9       OPEN       HSC       B       2.6       SUBARU         4       S1SA-3       S1SA007       7.9       OPEN       HSC       B       9.5       SUBARU         5       S1SA-5       S1SA009       7.1       OPEN       HSC       B       9.5       SUBARU       A         6       S1SA-6       S1SA006       6.7       OPEN       HSC       B       9.3       SUBARU       A         9       S1SA-01       S1SA005       6.3       OPEN       HSC       B       9.3       SUBARU       A         9       S1SA-013       S1SA005       6.3       OPEN       HSC       B       9.3       SUBARU       A         9       S1SA-013       S1SA013       6.2       OPEN       HSC       B       9.3       SUBARU <th>proposal       propid       rank       :ategon       nstrument:       grade       hours       partner       skip         1       \$15A-1       \$15A002       9.1       OPEN       HSC       A       9.3       \$UBARU         2       \$15A-2       \$15A003       9       OPEN       HSC       A       9.3       \$UBARU         3       \$15A-3       \$15A007       7.9       OPEN       HSC       B       2.6       \$UBARU         3       \$15A-4       \$15A010       7.3       OPEN       HSC       B       9.5       \$UBARU         5       \$15A-5       \$15A009       7.1       OPEN       HSC       B       9.5       \$UBARU       A         5       \$15A-6       \$15A006       6.7       OPEN       HSC       B       9.3       \$UBARU       A         5       \$15A-6       \$15A006       6.7       OPEN       HSC       B       9.3       \$UBARU       A         7       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       \$UBARU       A         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>Re</th> <th>port L</th> <th>og We</th> <th>igh</th> <th>Schedule</th> <th>le Programs</th> <th>Control Panel</th>	proposal       propid       rank       :ategon       nstrument:       grade       hours       partner       skip         1       \$15A-1       \$15A002       9.1       OPEN       HSC       A       9.3       \$UBARU         2       \$15A-2       \$15A003       9       OPEN       HSC       A       9.3       \$UBARU         3       \$15A-3       \$15A007       7.9       OPEN       HSC       B       2.6       \$UBARU         3       \$15A-4       \$15A010       7.3       OPEN       HSC       B       9.5       \$UBARU         5       \$15A-5       \$15A009       7.1       OPEN       HSC       B       9.5       \$UBARU       A         5       \$15A-6       \$15A006       6.7       OPEN       HSC       B       9.3       \$UBARU       A         5       \$15A-6       \$15A006       6.7       OPEN       HSC       B       9.3       \$UBARU       A         7       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       \$UBARU       A         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3						Re	port L	og We	igh	Schedule	le Programs	Control Panel
1       \$15A-1       \$15A002       9.1       OPEN       HSC       A       9.3       \$UBARU         2       \$15A-2       \$15A003       9       OPEN       HSC       A       10.5       \$UBARU         3       \$15A-3       \$15A007       7.9       OPEN       HSC       B       20.6       \$UBARU         4       \$15A-4       \$15A010       7.3       OPEN       HSC       B       9.5       \$UBARU         5       \$15A-5       \$15A006       6.7       OPEN       HSC       B       9.5       \$UBARU         6       \$15A-6       \$15A001       6.6       OPEN       HSC       B       9.3       \$UBARU       Number of the standard s	1       \$15A-1       \$15A002       9.1       OPEN       HSC       A       9.3       \$UBARU         2       \$15A-2       \$15A003       9       OPEN       HSC       A       10.5       \$UBARU         3       \$15A-3       \$15A007       7.9       OPEN       HSC       B       20.6       \$UBARU         4       \$15A-4       \$15A010       7.3       OPEN       HSC       B       9.5       \$UBARU         5       \$15A-5       \$15A009       7.1       OPEN       HSC       B       9.5       \$UBARU         6       \$15A-6       \$15A006       6.7       OPEN       HSC       B       9.3       \$UBARU       Number of the standard s	1       S15A-1       S15A002       9.1       OPEN       HSC       A       9.3       SUBARU         2       S15A-2       S15A003       9       OPEN       HSC       A       10.5       SUBARU         3       S15A-3       S15A007       7.9       OPEN       HSC       B       2.6       SUBARU         4       S15A-4       S15A010       7.3       OPEN       HSC       B       9.5       SUBARU         5       S15A-5       S15A009       7.1       OPEN       HSC       B       9.5       SUBARU       B         5       S15A-6       S15A006       6.7       OPEN       HSC       B       9.3       SUBARU       A         5       S15A-01       S15A005       6.3       OPEN       HSC       B       9.3       SUBARU       A         9       S15A-013       S15A013       6.2       OPEN       HSC       B       9.3       SUBARU       A         9       S15A-013       S15A013       6.2       OPEN       HSC       B       9.3       SUBARU       A         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart	F	ile E	dit									Files
1       \$15A-1       \$15A002       9.1       OPEN       HSC       A       9.3       SUBARU         2       \$15A-2       \$15A003       9       OPEN       HSC       A       10.5       SUBARU         3       \$15A-3       \$15A007       7.9       OPEN       HSC       B       20.6       SUBARU         4       \$15A-4       \$15A010       7.3       OPEN       HSC       B       9.5       SUBARU         5       \$15A-5       \$15A006       6.7       OPEN       HSC       B       9.5       SUBARU         6       \$15A-6       \$15A001       6.6       OPEN       HSC       B       9.3       SUBARU       Proposals Chart       Subaru       Subaru       Proposals Chart       Subaru       Subaru       Subaru       Proposals Chart       Subaru       Number of Proposals Chart       Subaru       Subaru       Proposals Chart       Subaru       Subaru       Proposals Chart       Subaru       Number of Proposals Chart       Subaru       Subaru       Subaru	1       \$15A-1       \$15A002       9.1       OPEN       HSC       A       9.3       \$UBARU         2       \$15A-2       \$15A003       9       OPEN       HSC       A       10.5       \$UBARU         3       \$15A-3       \$15A007       7.9       OPEN       HSC       B       20.6       \$UBARU         4       \$15A-4       \$15A010       7.3       OPEN       HSC       B       9.5       \$UBARU         5       \$15A-5       \$15A006       6.7       OPEN       HSC       B       9.5       \$UBARU       X         6       \$15A-6       \$15A006       6.7       OPEN       HSC       B       9.3       \$UBARU       X         7       \$15A-001       \$15A001       6.6       OPEN       HSC       B       9.3       \$UBARU       X         8       \$15A-013       \$15A005       6.3       OPEN       HSC       B       0       \$UBARU       X         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       \$UBARU       X         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart	1 SISA-1 SISA002 9.1 OPEN HSC A 9.3 SUBARU 2 SISA-2 SISA003 9 OPEN HSC A 10.5 SUBARU 3 SISA-3 SISA007 7.9 OPEN HSC B 20.6 SUBARU 4 SISA-4 SISA010 7.3 OPEN HSC B 9.5 SUBARU 5 SISA-5 SISA009 7.1 OPEN HSC B 9.5 SUBARU 6 SISA-6 SISA006 6.7 OPEN HSC B 9.3 SUBARU 7 SISA-001 SISA001 6.6 OPEN HSC B 9.3 SUBARU x 8 SISA-001 SISA005 6.3 OPEN HSC B 9.3 SUBARU x 9 SISA-013 SISA013 6.2 OPEN HSC B 9.3 SUBARU x 14 Mass Chart Night Activity Chart Schedules Chart Proposals Chart Semester Chart Semester Chart Slew Chart 14 MirMass Chart Night Activity Chart Schedules Chart Proposals Chart Semester Chart Slew Chart Sle		pro	oposal	propid	rank	category	nstrume	nt: grade	hours	partner	skip	Inputs: ru-support-queue-shared/HSCconvert
3 SISA-3 SISA007 7.9 OPEN HSC B 20.6 SUBARU 4 SISA-4 SISA010 7.3 OPEN HSC B 9.5 SUBARU 5 SISA-5 SISA009 7.1 OPEN HSC B 9.5 SUBARU 6 SISA-6 SISA006 6.7 OPEN HSC B 9.3 SUBARU x 8 SISA-001 SISA001 6.6 OPEN HSC B 9.3 SUBARU x 9 SISA-013 SISA013 6.2 OPEN HSC B 9.3 SUBARU x 9 SISA-013 SISA013 6.2 OPEN HSC B 9.3 SUBARU x 10 AirMass Chart Night Activity Chart Schedules Chart Proposals Chart Semester Chart Semester Chart Slew	3 SISA-3 SISA07 7.9 OPEN HSC B 20.6 SUBARU 4 SISA-4 SISA010 7.3 OPEN HSC B 9.5 SUBARU 5 SISA-5 SISA009 7.1 OPEN HSC B 9.3 SUBARU 6 SISA-6 SISA006 6.7 OPEN HSC B 9.3 SUBARU 7 SISA-001 SISA001 6.6 OPEN HSC B 9.3 SUBARU × 8 SISA-005 SISA005 6.3 OPEN HSC B 9.3 SUBARU × 9 SISA-013 SISA013 6.2 OPEN HSC B 9.3 SUBARU × 9 SISA-013 SISA013 6.2 OPEN HSC B 9.3 SUBARU × 14 AirMass Chart Night Activity Chart Schedules Chart Proposals Chart Semester Chart Slew Chart 14 Chart Structure Chart St	3 S15A-3 S15A007 7.9 OPEN HSC B 20.6 SUBARU 4 S15A-4 S15A010 7.3 OPEN HSC B 9.5 SUBARU 5 S15A-5 S15A009 7.1 OPEN HSC B 9.5 SUBARU 6 S15A-6 S15A006 6.7 OPEN HSC B 9.3 SUBARU 7 S15A-001 S15A001 6.6 OPEN HSC B 9.3 SUBARU × 8 S15A-005 S15A005 6.3 OPEN HSC B 9.3 SUBARU × 9 S15A-013 S15A013 6.2 OPEN HSC B 9.3 SUBARU × 14 AirMass Chart Night Activity Chart Schedules Chart Proposals Chart Semester Chart Semester Chart Stew Ch	1								-			Load Info
3 SISA-3 SISA007 7.9 OPEN HSC B 20.6 SUBARU 4 SISA-4 SISA010 7.3 OPEN HSC B 9.5 SUBARU 5 SISA-5 SISA009 7.1 OPEN HSC B 9.5 SUBARU 6 SISA-6 SISA06 6.7 OPEN HSC B 9.3 SUBARU X 8 SISA-001 SISA001 6.6 OPEN HSC B 9.3 SUBARU X 8 SISA-005 SISA005 6.3 OPEN HSC B 0 SUBARU X 9 SISA-013 SISA013 6.2 OPEN HSC B 9.3 SUBARU X 9 SISA-013 SISA013 6.2 OPEN HSC B 9.3 SUBARU X 10 AirMass Chart Night Activity Chart Schedules Chart Proposals Chart Semester Chart Semester Chart Slew Chart	3       \$15A-3       \$15A007       7.9       OPEN       HSC       B       20.6       \$UBARU         4       \$15A-4       \$15A010       7.3       OPEN       HSC       B       9.5       \$UBARU         5       \$15A-5       \$15A009       7.1       OPEN       HSC       B       9.5       \$UBARU         6       \$15A-6       \$15A006       6.7       OPEN       HSC       B       9.3       \$UBARU         7       \$15A-001       \$15A001       6.6       OPEN       HSC       B       9.3       \$UBARU       ×         8       \$15A-005       \$15A005       6.3       OPEN       HSC       B       9.3       \$UBARU       ×         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       \$UBARU       ×         AirMass Chart       Night Activity Chart       \$Chedules Chart       Proposals Chart       Semester Chart       \$Iew Chart         Gplan sanity check:	3       \$15A-3       \$15A007       7.9       OPEN       HSC       B       20.6       SUBARU         4       \$15A-4       \$15A010       7.3       OPEN       HSC       B       9.5       SUBARU         5       \$15A-5       \$15A009       7.1       OPEN       HSC       B       9.5       SUBARU         6       \$15A-6       \$15A006       6.7       OPEN       HSC       B       9.3       SUBARU         7       \$15A-011       \$15A001       6.6       OPEN       HSC       B       9.3       SUBARU       ×         8       \$15A-035       \$15A005       6.3       OPEN       HSC       B       9.3       SUBARU ×       14         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart         Gplan sanity check:	2	S15/	A-2 \$	\$15A003	9	OPEN	HSC	Α	10.5	SUBARU		Build Schedule
5       \$15A-5       \$15A009       7.1       OPEN       HSC       B       9.5       \$UBARU       0         6       \$15A-6       \$15A006       6.7       OPEN       HSC       B       9.3       \$UBARU       x         7       \$15A-013       \$15A005       6.3       OPEN       HSC       B       9.3       \$UBARU       x         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       \$UBARU       x         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart         Opplan sanity check:	5       \$15A-5       \$15A009       7.1       OPEN       HSC       B       9.5       \$UBARU         6       \$15A-6       \$15A006       6.7       OPEN       HSC       B       9.3       \$UBARU       7         7       \$15A-011       \$15A001       6.6       OPEN       HSC       B       9.3       \$UBARU       x         8       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       \$UBARU       x         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart         Qplan sanity check:	5       \$15A-5       \$15A009       7.1       OPEN       HSC       B       9.5       \$UBARU         6       \$15A-6       \$15A006       6.7       OPEN       HSC       B       9.3       \$UBARU       7         7       \$15A-001       \$15A001       6.6       OPEN       HSC       B       9.3       \$UBARU       x         8       \$15A-005       \$15A003       6.3       OPEN       HSC       B       9.3       \$UBARU       x         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       \$UBARU       x                             AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart                40plan sanity check:       The chart       Statue       10	3	S15/					HSC	В	20.6	SUBARU		
6       \$15A-6       \$15A006       6.7       OPEN       HSC       B       9.3       \$UBARU       x         7       \$15A-001       \$15A001       6.6       OPEN       HSC       B       9.3       \$UBARU       x         8       \$15A-005       \$15A005       6.3       OPEN       HSC       B       9.3       \$UBARU       x         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       \$UBARU       x         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart       Slew Chart	6       \$15A-6       \$15A006       6.7       OPEN       HSC       B       9.3       \$UBARU       x         7       \$15A-001       \$15A001       6.6       OPEN       HSC       B       9.3       \$UBARU       x         8       \$15A-005       \$15A005       6.3       OPEN       HSC       B       0       \$UBARU       x         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       \$UBARU       x         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart       Slew Chart	6       \$15A-6       \$15A006       6.7       OPEN       HSC       B       9.3       \$UBARU       x         7       \$15A-001       \$15A001       6.6       OPEN       HSC       B       9.3       \$UBARU       x         8       \$15A-005       \$15A005       6.3       OPEN       HSC       B       0       \$UBARU       x         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       \$UBARU       x         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart       Slew Chart	_							_				
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8       \$15A-005       \$15A005       6.3       OPEN       HSC       B       0       SUBARU       x       10         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       SUBARU       x       10         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart       Slew Chart         Opplan sanity check:	8       \$15A-005       \$15A005       6.3       OPEN       HSC       B       0       SUBARU       x         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       SUBARU       x       10         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart       Slew Chart         Opplan sanity check:	8       \$15A-005       \$15A005       6.3       OPEN       HSC       B       0       SUBARU       x         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       SUBARU       x       10         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart       Slew Chart         Opplan sanity check:								_				
9     \$15A-013     \$15A013     6.2     OPEN     HSC     B     9.3     SUBARU     x       AirMass Chart     Night Activity Chart     Schedules Chart     Proposals Chart     Semester Chart     Slew Chart       Qplan sanity check:	9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       SUBARU       x         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart       Slew Chart         Qplan sanity check:	9     \$15A-013     \$15A013     6.2     OPEN     HSC     B     9.3     SUBARU     x         AirMass Chart     Night Activity Chart     Schedules Chart     Proposals Chart     Semester Chart     Slew Chart       Qplan sanity check:	_							_				
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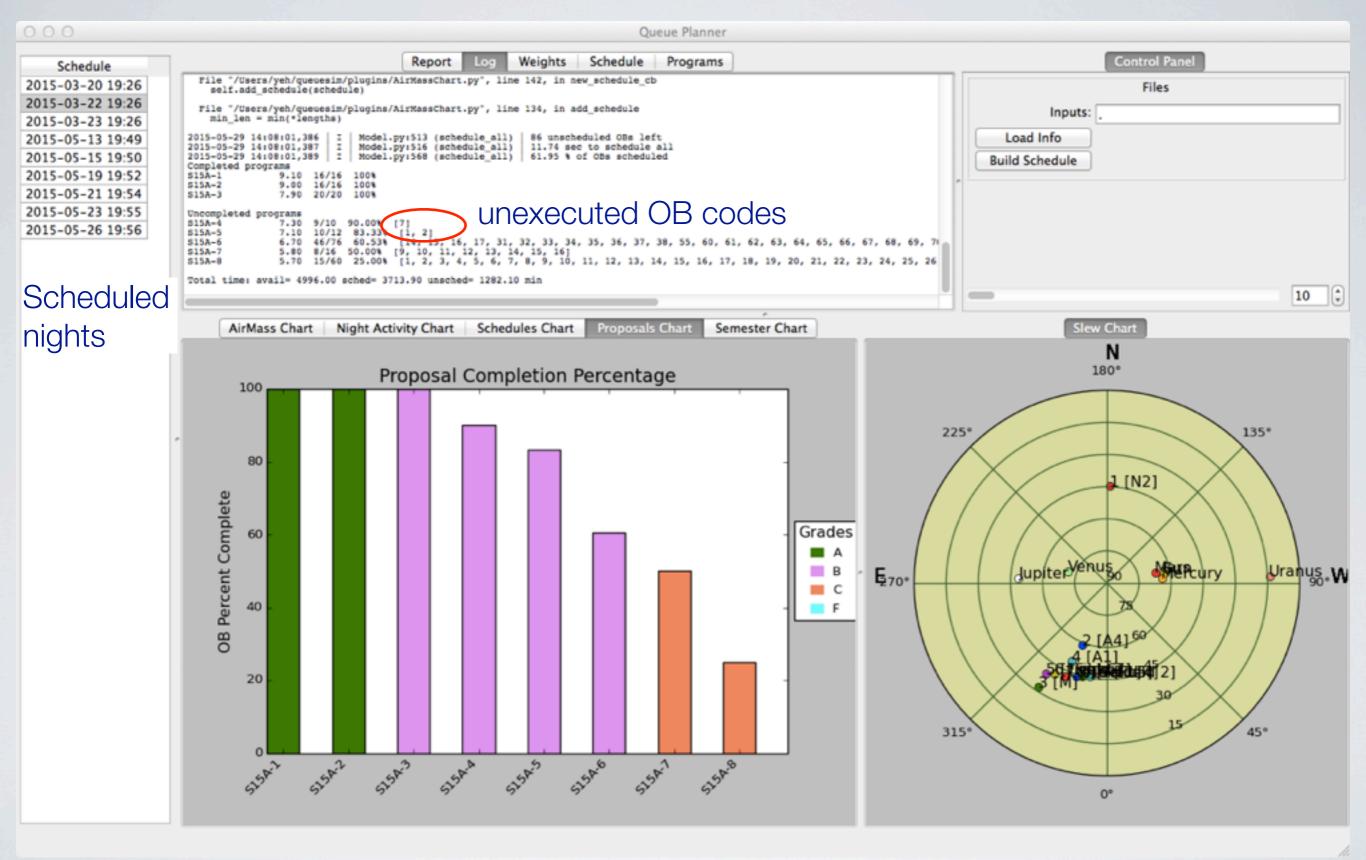
# qplan input 4: programs

File         propid       rank targon instrument: grade hours partner skip         1       SISA-1       SISA02       9.1       OPEN       HSC       A       9.3       SUBARU         2       SISA-2       SISA02       9.1       OPEN       HSC       A       9.3       SUBARU         3       SISA-3       SISA002       9.1       OPEN       HSC       A       0.5       SUBARU         3       SISA-3       SISA007       7.9       OPEN       HSC       B       0.5       SUBARU         3       SISA-4       SISA007       7.9       OPEN       HSC       B       9.5       SUBARU       B       SUBARU       B       Build Schedule       Build	proposal       propid       rank       :ategon       nstrument:       grade       hours       partner       skip         1       \$15A-1       \$15A002       9.1       OPEN       HSC       A       9.3       \$UBARU         2       \$15A-2       \$15A003       9       OPEN       HSC       A       9.3       \$UBARU         3       \$15A-3       \$15A007       7.9       OPEN       HSC       B       9.5       \$UBARU         3       \$15A-4       \$15A010       7.3       OPEN       HSC       B       9.5       \$UBARU         5       \$15A-5       \$15A006       6.7       OPEN       HSC       B       9.5       \$UBARU       Number of the state of the	proposal       propid       rank       :ategon       nstrument:       grather       skip         1       \$15A-1       \$15A002       9.1       OPEN       HSC       A       9.3       \$UBARU         2       \$15A-2       \$15A002       9.1       OPEN       HSC       A       9.3       \$UBARU         3       \$15A-3       \$15A007       7.9       OPEN       HSC       B       9.5       \$UBARU         3       \$15A-4       \$15A010       7.3       OPEN       HSC       B       9.5       \$UBARU         5       \$15A-5       \$15A009       7.1       OPEN       HSC       B       9.5       \$UBARU       Number       B       9.5       \$UBARU       Number       B       9.5       \$UBARU       Number       Number </th <th>proposal       propid       rank       rategory, nstrument:       grade       hours       partner       skip         1       S15A-1       S15A002       9.1       OPEN       HSC       A       9.3       SUBARU         2       S15A-3       S15A003       9       OPEN       HSC       A       9.3       SUBARU         3       S15A-3       S15A003       9       OPEN       HSC       B       20.6       SUBARU         3       S15A-3       S15A010       7.3       OPEN       HSC       B       9.5       SUBARU         5       S15A-5       S15A006       6.7       OPEN       HSC       B       9.5       SUBARU       B       3.5       SUBARU       B       B       3.5       SUBARU       B       B       SUBARU&lt;</th> <th></th> <th></th> <th></th> <th></th> <th>Re</th> <th>port L</th> <th>og We</th> <th>eigh</th> <th>Schedule</th> <th>Programs</th> <th></th> <th></th> <th></th> <th>Control Panel</th> <th></th>	proposal       propid       rank       rategory, nstrument:       grade       hours       partner       skip         1       S15A-1       S15A002       9.1       OPEN       HSC       A       9.3       SUBARU         2       S15A-3       S15A003       9       OPEN       HSC       A       9.3       SUBARU         3       S15A-3       S15A003       9       OPEN       HSC       B       20.6       SUBARU         3       S15A-3       S15A010       7.3       OPEN       HSC       B       9.5       SUBARU         5       S15A-5       S15A006       6.7       OPEN       HSC       B       9.5       SUBARU       B       3.5       SUBARU       B       B       3.5       SUBARU       B       B       SUBARU<					Re	port L	og We	eigh	Schedule	Programs				Control Panel	
1       \$15A-1       \$15A002       9.1       OPEN       HSC       A       9.3       \$UBARU         2       \$15A-2       \$15A003       9       OPEN       HSC       A       10.5       \$UBARU         3       \$15A-3       \$15A007       7.9       OPEN       HSC       B       20.6       \$UBARU         4       \$15A-4       \$15A010       7.3       OPEN       HSC       B       9.5       \$UBARU         5       \$15A-5       \$15A009       7.1       OPEN       HSC       B       9.5       \$UBARU         6       \$15A-6       \$15A006       6.7       OPEN       HSC       B       9.3       \$UBARU       V         7       \$15A-001       \$15A001       6.6       OPEN       HSC       B       9.3       \$UBARU       V         8       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       \$UBARU       V         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       \$UBARU       V         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart <td< th=""><th>1       S15A-1       S15A002       9.1       OPEN       HSC       A       9.3       SUBARU         2       S15A-2       S15A003       9       OPEN       HSC       A       10.5       SUBARU         3       S15A-3       S15A007       7.9       OPEN       HSC       B       2.6       SUBARU         4       S15A-4       S15A010       7.3       OPEN       HSC       B       9.5       SUBARU         5       S15A-5       S15A009       7.1       OPEN       HSC       B       9.5       SUBARU       B         5       S15A-6       S15A006       6.7       OPEN       HSC       B       9.3       SUBARU       B         5       S15A-01       S15A005       6.3       OPEN       HSC       B       9.3       SUBARU       A         9       S15A-013       S15A013       6.2       OPEN       HSC       B       9.3       SUBARU       A         9       S15A-013       S15A013       6.2       OPEN       HSC       B       9.3       SUBARU       A         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart</th><th>1       S15A-1       S15A002       9.1       OPEN       HSC       A       9.3       SUBARU         2       S15A-2       S15A003       9       OPEN       HSC       A       10.5       SUBARU         3       S15A-3       S15A007       7.9       OPEN       HSC       B       2.6       SUBARU         4       S15A-4       S15A010       7.3       OPEN       HSC       B       9.5       SUBARU         5       S15A-5       S15A009       7.1       OPEN       HSC       B       9.5       SUBARU       B         5       S15A-6       S15A006       6.7       OPEN       HSC       B       9.3       SUBARU       B         5       S15A-6       S15A005       6.3       OPEN       HSC       B       9.3       SUBARU       A         7       S15A-001       S15A005       6.3       OPEN       HSC       B       9.3       SUBARU       A         9       S15A-013       S15A013       6.2       OPEN       HSC       B       9.3       SUBARU       A         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart&lt;</th><th>1       \$15A-1       \$15A002       9.1       OPEN       HSC       A       9.3       SUBARU         2       \$15A-2       \$15A003       9       OPEN       HSC       A       10.5       SUBARU         3       \$15A-3       \$15A007       7.9       OPEN       HSC       B       20.6       SUBARU         4       \$15A-4       \$15A010       7.3       OPEN       HSC       B       9.5       SUBARU         5       \$15A-5       \$15A009       7.1       OPEN       HSC       B       9.5       SUBARU       B         6       \$15A-6       \$15A006       6.7       OPEN       HSC       B       9.3       SUBARU       X         5       \$15A-001       \$15A006       6.7       OPEN       HSC       B       9.3       SUBARU       X         8       \$15A-003       \$15A005       6.3       OPEN       HSC       B       9.3       SUBARU       X         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       SUBARU       X         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Cha</th><th>Fil</th><th>e Edit</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>Files</th><th></th></td<>	1       S15A-1       S15A002       9.1       OPEN       HSC       A       9.3       SUBARU         2       S15A-2       S15A003       9       OPEN       HSC       A       10.5       SUBARU         3       S15A-3       S15A007       7.9       OPEN       HSC       B       2.6       SUBARU         4       S15A-4       S15A010       7.3       OPEN       HSC       B       9.5       SUBARU         5       S15A-5       S15A009       7.1       OPEN       HSC       B       9.5       SUBARU       B         5       S15A-6       S15A006       6.7       OPEN       HSC       B       9.3       SUBARU       B         5       S15A-01       S15A005       6.3       OPEN       HSC       B       9.3       SUBARU       A         9       S15A-013       S15A013       6.2       OPEN       HSC       B       9.3       SUBARU       A         9       S15A-013       S15A013       6.2       OPEN       HSC       B       9.3       SUBARU       A         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart	1       S15A-1       S15A002       9.1       OPEN       HSC       A       9.3       SUBARU         2       S15A-2       S15A003       9       OPEN       HSC       A       10.5       SUBARU         3       S15A-3       S15A007       7.9       OPEN       HSC       B       2.6       SUBARU         4       S15A-4       S15A010       7.3       OPEN       HSC       B       9.5       SUBARU         5       S15A-5       S15A009       7.1       OPEN       HSC       B       9.5       SUBARU       B         5       S15A-6       S15A006       6.7       OPEN       HSC       B       9.3       SUBARU       B         5       S15A-6       S15A005       6.3       OPEN       HSC       B       9.3       SUBARU       A         7       S15A-001       S15A005       6.3       OPEN       HSC       B       9.3       SUBARU       A         9       S15A-013       S15A013       6.2       OPEN       HSC       B       9.3       SUBARU       A         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart<	1       \$15A-1       \$15A002       9.1       OPEN       HSC       A       9.3       SUBARU         2       \$15A-2       \$15A003       9       OPEN       HSC       A       10.5       SUBARU         3       \$15A-3       \$15A007       7.9       OPEN       HSC       B       20.6       SUBARU         4       \$15A-4       \$15A010       7.3       OPEN       HSC       B       9.5       SUBARU         5       \$15A-5       \$15A009       7.1       OPEN       HSC       B       9.5       SUBARU       B         6       \$15A-6       \$15A006       6.7       OPEN       HSC       B       9.3       SUBARU       X         5       \$15A-001       \$15A006       6.7       OPEN       HSC       B       9.3       SUBARU       X         8       \$15A-003       \$15A005       6.3       OPEN       HSC       B       9.3       SUBARU       X         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       SUBARU       X         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Cha	Fil	e Edit												Files	
2       \$15A-2       \$15A003       9       OPEN       HSC       A       10.5       \$UBARU         3       \$15A-3       \$15A007       7.9       OPEN       HSC       B       20.6       \$UBARU         4       \$15A-4       \$15A010       7.3       OPEN       HSC       B       9.5       \$UBARU         5       \$15A-5       \$15A006       6.7       OPEN       HSC       B       9.5       \$UBARU         6       \$15A-6       \$15A006       6.7       OPEN       HSC       B       9.3       \$UBARU       X         7       \$15A-001       \$15A001       6.6       OPEN       HSC       B       9.3       \$UBARU       X         8       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       \$UBARU       X         AirMass Chart       Night Activity Chart       \$Chedules Chart       Proposals Chart       Semester Chart       Slew Chart         Open HSC         AirMass Chart       Night Activity Chart       \$Chedules Chart       Proposals Chart       Semester Chart       Slew Chart	2       \$15A-2       \$15A003       9       OPEN       HSC       A       10.5       SUBARU         3       \$15A-3       \$15A007       7.9       OPEN       HSC       B       20.6       SUBARU         4       \$15A-4       \$15A010       7.3       OPEN       HSC       B       9.5       SUBARU         5       \$15A-5       \$15A006       6.7       OPEN       HSC       B       9.5       SUBARU         6       \$15A-6       \$15A001       6.6       OPEN       HSC       B       9.3       SUBARU       X         8       \$15A-013       \$15A010       6.6       OPEN       HSC       B       9.3       SUBARU       X         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       SUBARU       X         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       SUBARU       X         1       Mirduss Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart         Gpplan sanity check:	2       \$15A-2       \$15A003       9       OPEN       HSC       A       10.5       \$UBARU         3       \$15A-3       \$15A007       7.9       OPEN       HSC       B       20.6       \$UBARU         4       \$15A-4       \$15A010       7.3       OPEN       HSC       B       9.5       \$UBARU         5       \$15A-5       \$15A006       6.7       OPEN       HSC       B       9.5       \$UBARU         6       \$15A-6       \$15A001       6.6       OPEN       HSC       B       9.3       \$UBARU       X         7       \$15A-011       \$15A001       6.6       OPEN       HSC       B       9.3       \$UBARU       X         8       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       \$UBARU       X         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       \$UBARU       X         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart         Gplan sanity check:	2       \$15A-2       \$15A003       9       OPEN       HSC       A       10.5       SUBARU         3       \$15A-3       \$15A007       7.9       OPEN       HSC       B       20.6       SUBARU         4       \$15A-4       \$15A010       7.3       OPEN       HSC       B       9.5       SUBARU         5       \$15A-5       \$15A006       6.7       OPEN       HSC       B       9.5       SUBARU         6       \$15A-6       \$15A001       6.6       OPEN       HSC       B       9.3       SUBARU         7       \$15A-001       \$15A001       6.6       OPEN       HSC       B       9.3       SUBARU ×         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       SUBARU ×         1       AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart         0       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       SUBARU ×       1         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart <th></th> <th>proposal</th> <th>propid</th> <th>rank</th> <th>category</th> <th>nstrume</th> <th>nt: grade</th> <th>e hours</th> <th>partner ski</th> <th></th> <th></th> <th></th> <th>Inputs: n</th> <th>u-support-queu</th> <th>ue-shared/HSC</th>		proposal	propid	rank	category	nstrume	nt: grade	e hours	partner ski				Inputs: n	u-support-queu	ue-shared/HSC
3 S15A-3 S15A07 7.9 OPEN HSC B 20.6 SUBARU 4 S15A-4 S15A010 7.3 OPEN HSC B 9.5 SUBARU 5 S15A-5 S15A009 7.1 OPEN HSC B 9.5 SUBARU 6 S15A-6 S15A006 6.7 OPEN HSC B 9.3 SUBARU 7 S15A-001 S15A001 6.6 OPEN HSC B 9.3 SUBARU x 8 S15A-005 S15A005 6.3 OPEN HSC B 9.3 SUBARU x 9 S15A-013 S15A013 6.2 OPEN HSC B 9.3 SUBARU x 10 AirMass Chart Night Activity Chart Schedules Chart Proposals Chart Semester Chart Semes	3 S15A-3 S15A07 7.9 OPEN HSC B 20.6 SUBARU 4 S15A-4 S15A010 7.3 OPEN HSC B 9.5 SUBARU 5 S15A-5 S15A009 7.1 OPEN HSC B 9.5 SUBARU 6 S15A-6 S15A006 6.7 OPEN HSC B 9.3 SUBARU 7 S15A-001 S15A001 6.6 OPEN HSC B 9.3 SUBARU x 8 S15A-005 S15A005 6.3 OPEN HSC B 9.3 SUBARU x 9 S15A-013 S15A013 6.2 OPEN HSC B 9.3 SUBARU x 1 AirMass Chart Night Activity Chart Schedules Chart Proposals Chart Semester Chart Semester Chart Slew Chart Slew Chart	3 S15A-3 S15A07 7.9 OPEN HSC B 20.6 SUBARU 4 S15A-4 S15A010 7.3 OPEN HSC B 9.5 SUBARU 5 S15A-5 S15A009 7.1 OPEN HSC B 9.5 SUBARU 6 S15A-6 S15A006 6.7 OPEN HSC B 9.3 SUBARU 7 S15A-001 S15A001 6.6 OPEN HSC B 9.3 SUBARU x 8 S15A-005 S15A005 6.3 OPEN HSC B 9.3 SUBARU x 9 S15A-013 S15A013 6.2 OPEN HSC B 9.3 SUBARU x 1 <u>AirMass Chart Night Activity Chart Schedules Chart Proposals Chart Semester Chart Slew Chart</u> Gplan sanity check:	3 S15A-3 S15A07 7.9 OPEN HSC B 20.6 SUBARU 4 S15A-4 S15A010 7.3 OPEN HSC B 9.5 SUBARU 5 S15A-5 S15A009 7.1 OPEN HSC B 9.5 SUBARU 6 S15A-6 S15A006 6.7 OPEN HSC B 9.3 SUBARU 7 S15A-001 S15A001 6.6 OPEN HSC B 9.3 SUBARU x 8 S15A-005 S15A005 6.3 OPEN HSC B 9.3 SUBARU x 9 S15A-013 S15A013 6.2 OPEN HSC B 9.3 SUBARU x 1 <u>AirMass Chart Night Activity Chart Schedules Chart Proposals Chart Semester Chart Slew Chart</u> Gplan sanity check:							Α						Load Info		
4 SISA-4 SISA010 7.3 OPEN HSC B 9.5 SUBARU 5 SISA-5 SISA009 7.1 OPEN HSC B 9.5 SUBARU 6 SISA-6 SISA006 6.7 OPEN HSC B 9.3 SUBARU x 8 SISA-001 SISA001 6.6 OPEN HSC B 9.3 SUBARU x 9 SISA-013 SISA013 6.2 OPEN HSC B 9.3 SUBARU x 10 AirMass Chart Night Activity Chart Schedules Chart Proposals Chart Semester Chart Slew Chart 0 Open Sanity check:	4 SISA-4 SISA010 7.3 OPEN HSC B 9.5 SUBARU 5 SISA-5 SISA009 7.1 OPEN HSC B 9.5 SUBARU 6 SISA-6 SISA006 6.7 OPEN HSC B 9.3 SUBARU X 8 SISA-001 SISA001 6.6 OPEN HSC B 9.3 SUBARU X 9 SISA-013 SISA013 6.2 OPEN HSC B 9.3 SUBARU X 9 SISA-013 SISA013 6.2 OPEN HSC B 9.3 SUBARU X 14 Mass Chart Night Activity Chart Schedules Chart Proposals Chart Semester Chart Slew Chart Slew Chart	4 SISA-4 SISA010 7.3 OPEN HSC B 9.5 SUBARU 5 SISA-5 SISA009 7.1 OPEN HSC B 9.5 SUBARU 6 SISA-6 SISA006 6.7 OPEN HSC B 9.3 SUBARU 7 SISA-001 SISA001 6.6 OPEN HSC B 9.3 SUBARU x 8 SISA-005 SISA005 6.3 OPEN HSC B 0 SUBARU x 9 SISA-013 SISA013 6.2 OPEN HSC B 9.3 SUBARU x 1 AirMass Chart Night Activity Chart Schedules Chart Proposals Chart Semester Chart Semester Chart Slew Chart	4 SISA-4 SISA010 7.3 OPEN HSC B 9.5 SUBARU 5 SISA-5 SISA009 7.1 OPEN HSC B 9.5 SUBARU 6 SISA-6 SISA006 6.7 OPEN HSC B 9.3 SUBARU 7 SISA-001 SISA001 6.6 OPEN HSC B 9.3 SUBARU x 8 SISA-005 SISA005 6.3 OPEN HSC B 0 SUBARU x 9 SISA-013 SISA013 6.2 OPEN HSC B 9.3 SUBARU x 1 AirMass Chart Night Activity Chart Schedules Chart Proposals Chart Semester Chart Semester Chart Slew Chart							_	-		_		B	uild Schedule		
5       \$15A-5       \$15A009       7.1       OPEN       HSC       B       9.5       \$UBARU         6       \$15A-6       \$15A006       6.7       OPEN       HSC       B       9.3       \$UBARU       x         7       \$15A-001       \$15A001       6.6       OPEN       HSC       B       9.3       \$UBARU       x         8       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       \$UBARU       x         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       \$UBARU       x	5       \$15A-5       \$15A009       7.1       OPEN       HSC       B       9.5       \$UBARU         6       \$15A-6       \$15A006       6.7       OPEN       HSC       B       9.3       \$UBARU       x         7       \$15A-001       \$15A001       6.6       OPEN       HSC       B       9.3       \$UBARU       x         8       \$15A-013       \$15A003       6.3       OPEN       HSC       B       9.3       \$UBARU       x         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       \$UBARU       x         AirMass Chart Night Activity Chart Schedules Chart Proposals Chart Semester Chart    In the semester Chart Stew Chart Stew Chart	5       \$15A-5       \$15A009       7.1       OPEN       HSC       B       9.5       \$UBARU         6       \$15A-6       \$15A006       6.7       OPEN       HSC       B       9.3       \$UBARU       7         7       \$15A-001       \$15A001       6.6       OPEN       HSC       B       9.3       \$UBARU       x         8       \$15A-013       \$15A003       6.3       OPEN       HSC       B       9.3       \$UBARU       x         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       \$UBARU       x	5       \$15A-5       \$15A009       7.1       OPEN       HSC       B       9.5       \$UBARU         6       \$15A-6       \$15A006       6.7       OPEN       HSC       B       9.3       \$UBARU       7         7       \$15A-001       \$15A001       6.6       OPEN       HSC       B       9.3       \$UBARU       x         8       \$15A-013       \$15A003       6.3       OPEN       HSC       B       9.3       \$UBARU       x         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       \$UBARU       x							_			-		-			
6       \$15A-6       \$15A006       6.7       OPEN       HSC       B       9.3       \$UBARU       10         7       \$15A-001       \$15A001       6.6       OPEN       HSC       B       9.3       \$UBARU       x         8       \$15A-005       \$15A005       6.3       OPEN       HSC       B       0       \$UBARU       x         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       \$UBARU       x         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart       Slew Chart	6       \$15A-6       \$15A006       6.7       OPEN       HSC       B       9.3       \$UBARU       1         7       \$15A-001       \$15A001       6.6       OPEN       HSC       B       9.3       \$UBARU       x         8       \$15A-005       \$15A005       6.3       OPEN       HSC       B       0       \$UBARU       x         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       \$UBARU       x         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart       Slew Chart	6       \$15A-6       \$15A006       6.7       OPEN       HSC       B       9.3       \$UBARU       1         7       \$15A-001       \$15A001       6.6       OPEN       HSC       B       9.3       \$UBARU       x         8       \$15A-005       \$15A005       6.3       OPEN       HSC       B       0       \$UBARU       x         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       \$UBARU       x         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart       Slew Chart	6       \$15A-6       \$15A006       6.7       OPEN       HSC       B       9.3       \$UBARU       1         7       \$15A-001       \$15A001       6.6       OPEN       HSC       B       9.3       \$UBARU       x         8       \$15A-005       \$15A005       6.3       OPEN       HSC       B       0       \$UBARU       x         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       \$UBARU       x         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart       Slew Chart							_			-					
7       \$15A-001       \$15A001       6.6       OPEN       HSC       B       9.3       SUBARU       x         8       \$15A-005       \$15A005       6.3       OPEN       HSC       B       0       SUBARU       x         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       SUBARU       x         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart	7       \$15A-001       \$15A001       6.6       OPEN       HSC       B       9.3       SUBARU       x         8       \$15A-005       \$15A005       6.3       OPEN       HSC       B       0       SUBARU       x         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       SUBARU       x         AirMass Chart       Night Activity Chart       Schedules       Chart       Proposals       Chart       Slew Chart       Slew Chart	7       \$15A-001       \$15A001       6.6       OPEN       HSC       B       9.3       SUBARU       x         8       \$15A-005       \$15A005       6.3       OPEN       HSC       B       0       SUBARU       x         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       SUBARU       x         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart	7       \$15A-001       \$15A001       6.6       OPEN       HSC       B       9.3       SUBARU       x         8       \$15A-005       \$15A005       6.3       OPEN       HSC       B       0       SUBARU       x         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       SUBARU       x         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart							_			-					
8       \$15A-005       \$15A005       6.3       OPEN       HSC       B       0       SUBARU       x       10         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       SUBARU       x       10         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart       Slew Chart         Opplan sanity check:	8       \$15A-005       \$15A005       6.3       OPEN       HSC       B       0       SUBARU       x         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       SUBARU       x       1         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart       Slew Chart         Opplan sanity check:	8       \$15A-005       \$15A005       6.3       OPEN       HSC       B       0       SUBARU       x         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       SUBARU       x       1         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart       Slew Chart         Qplan sanity check:	8       \$15A-005       \$15A005       6.3       OPEN       HSC       B       0       SUBARU       x         9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       SUBARU       x       1         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart       Slew Chart         Qplan sanity check:							_			-					
9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       \$UBARU       x       10         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart       Slew Chart         Opplan sanity check:	9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       SUBARU       x         AirMass Chart       Night Activity Chart       Schedules Chart       Proposals Chart       Semester Chart       Slew Chart         Oplan sanity check:	9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       SUBARU       x       Image: Subaru state in the subaru stat	9       \$15A-013       \$15A013       6.2       OPEN       HSC       B       9.3       SUBARU       x       Image: Subaru state in the subaru stat	<u> </u>						_			-					
AirMass Chart Night Activity Chart Schedules Chart Proposals Chart Semester Chart Slew Chart Slew Chart Oplan sanity check:	AirMass Chart Night Activity Chart Schedules Chart Proposals Chart Semester Chart Semester Chart Slew Chart Oplan sanity check:	AirMass Chart Night Activity Chart Schedules Chart Proposals Chart Semester Chart Semester Chart Slew Chart Oplan sanity check:	AirMass Chart Night Activity Chart Schedules Chart Proposals Chart Semester Chart Semester Chart Slew Chart Oplan sanity check:	-	-					_			-					
qplan sanity check:	qplan sanity check:	qplan sanity check:	qplan sanity check:						1		1		-	_				
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							-				not	excee	d allocate	d hours.				

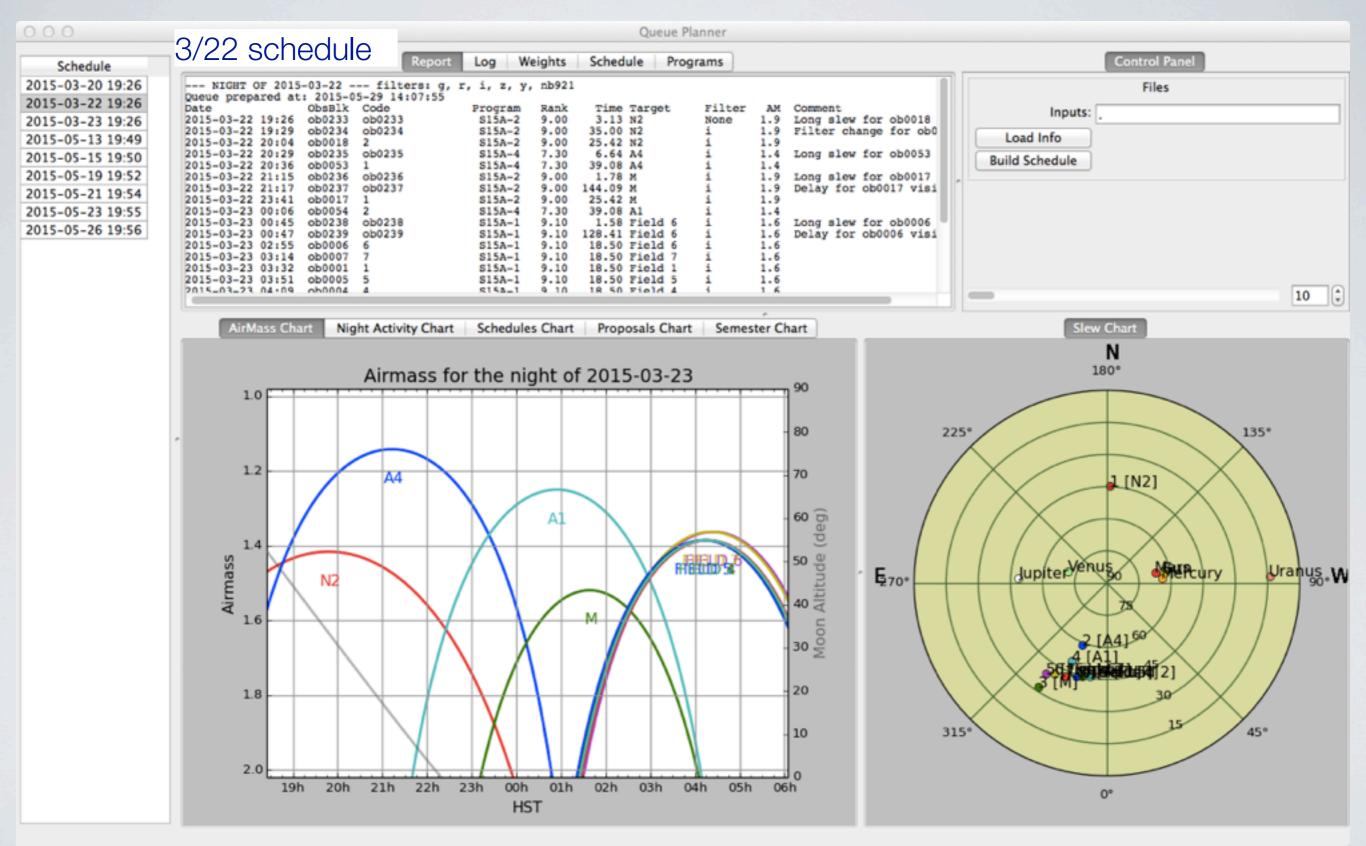
#### qplan output 1: schedule summary



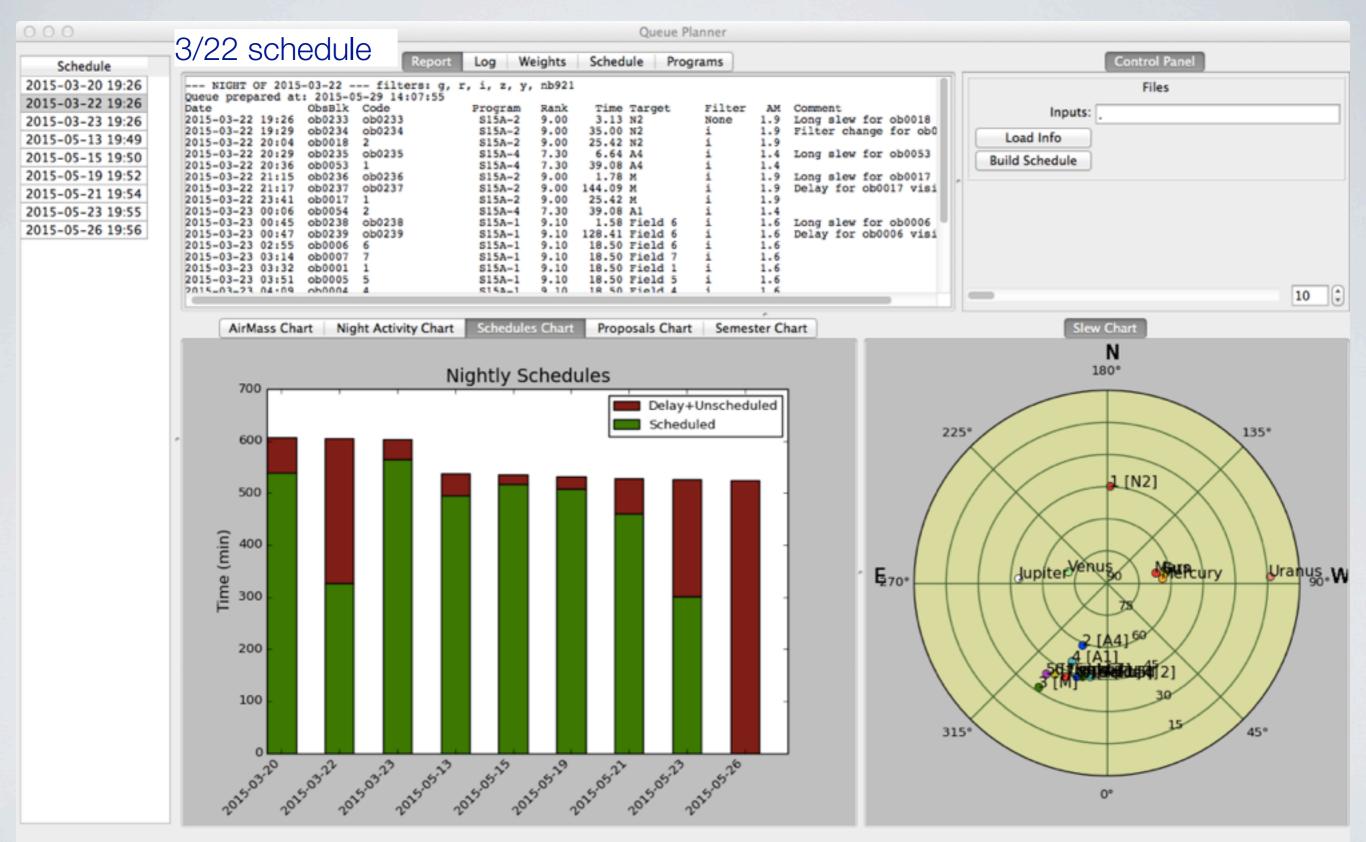
#### qplan output 1: schedule summary



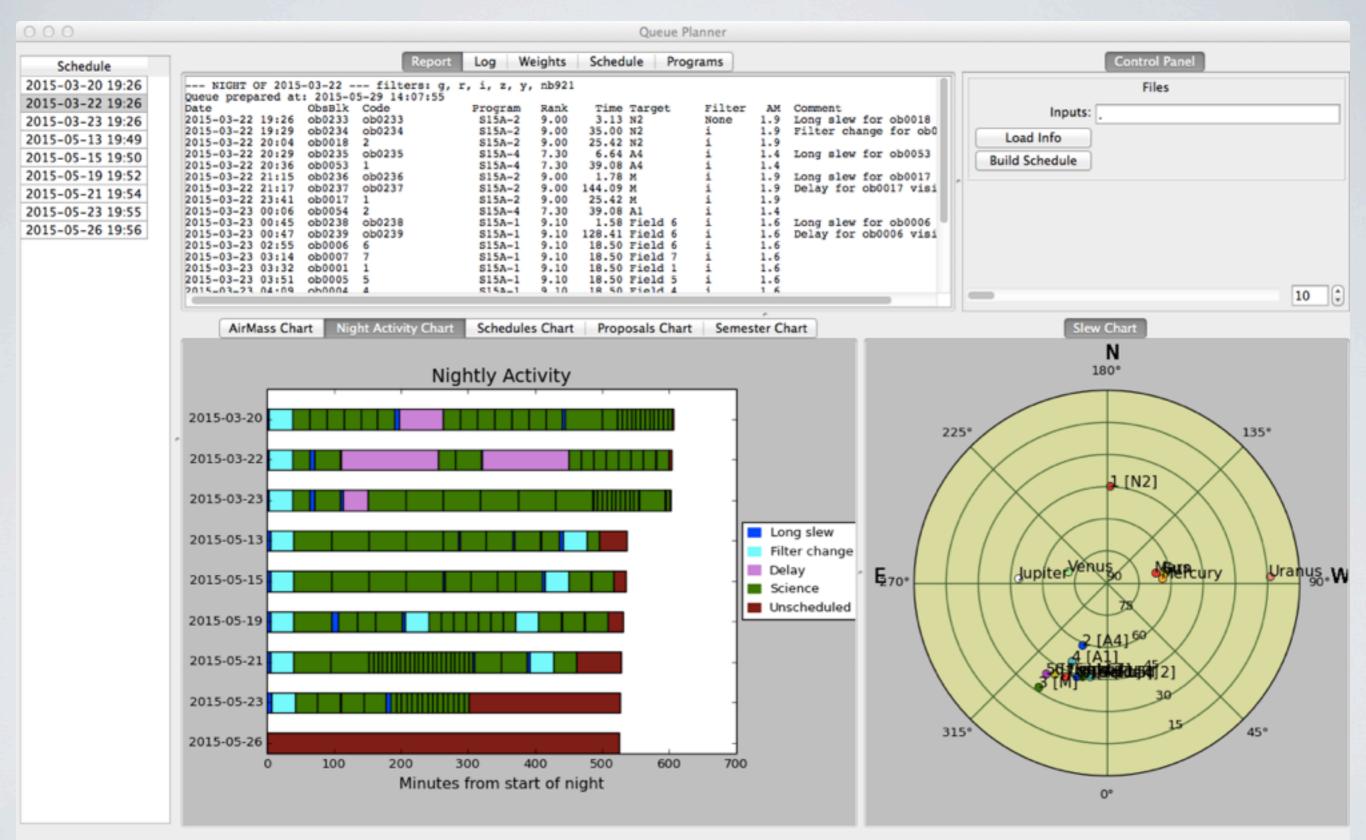
#### qplan output 2: nightly report



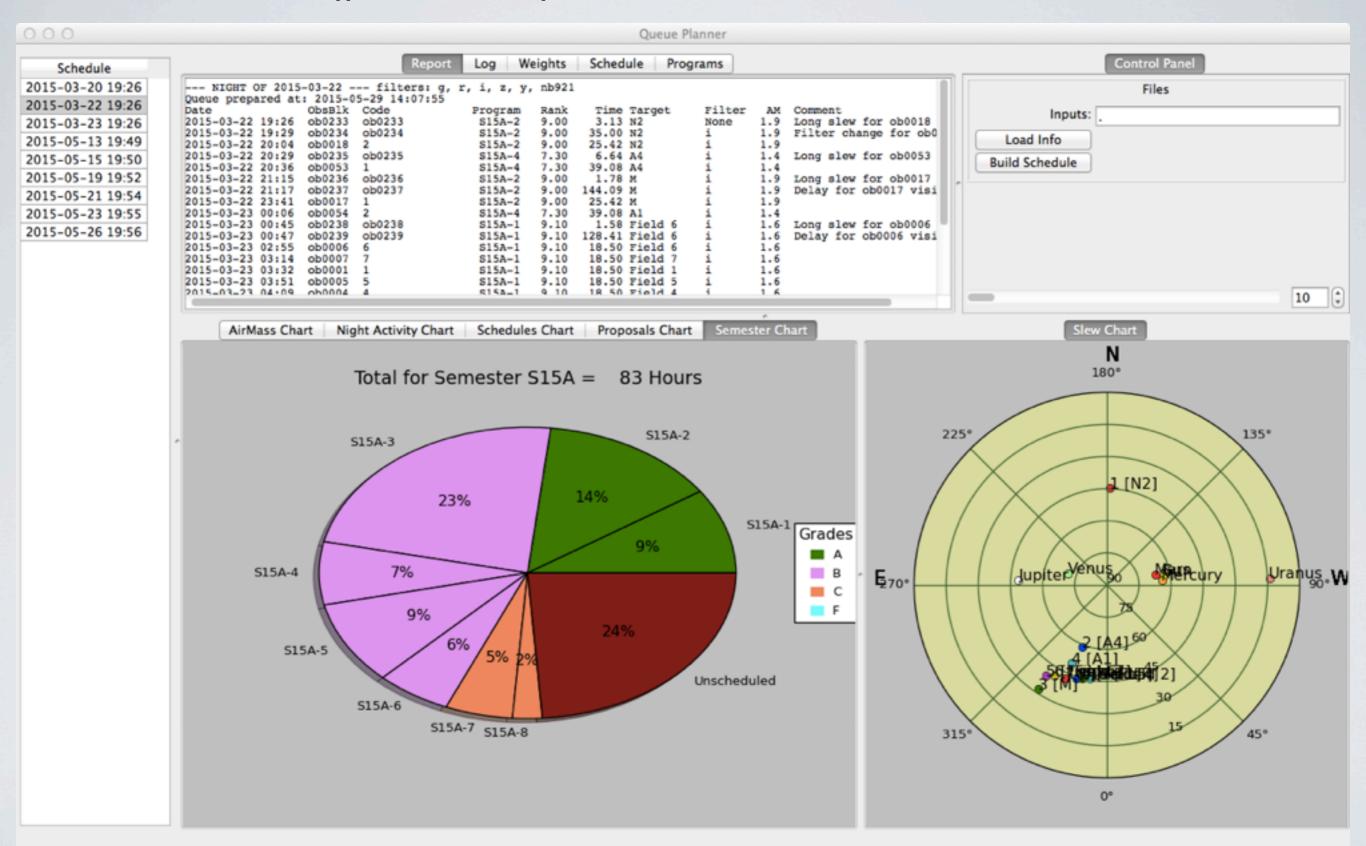
#### qplan output 2: nightly report



#### qplan output 3: nightly activity



#### qplan output 4: semester chart



# Questions?

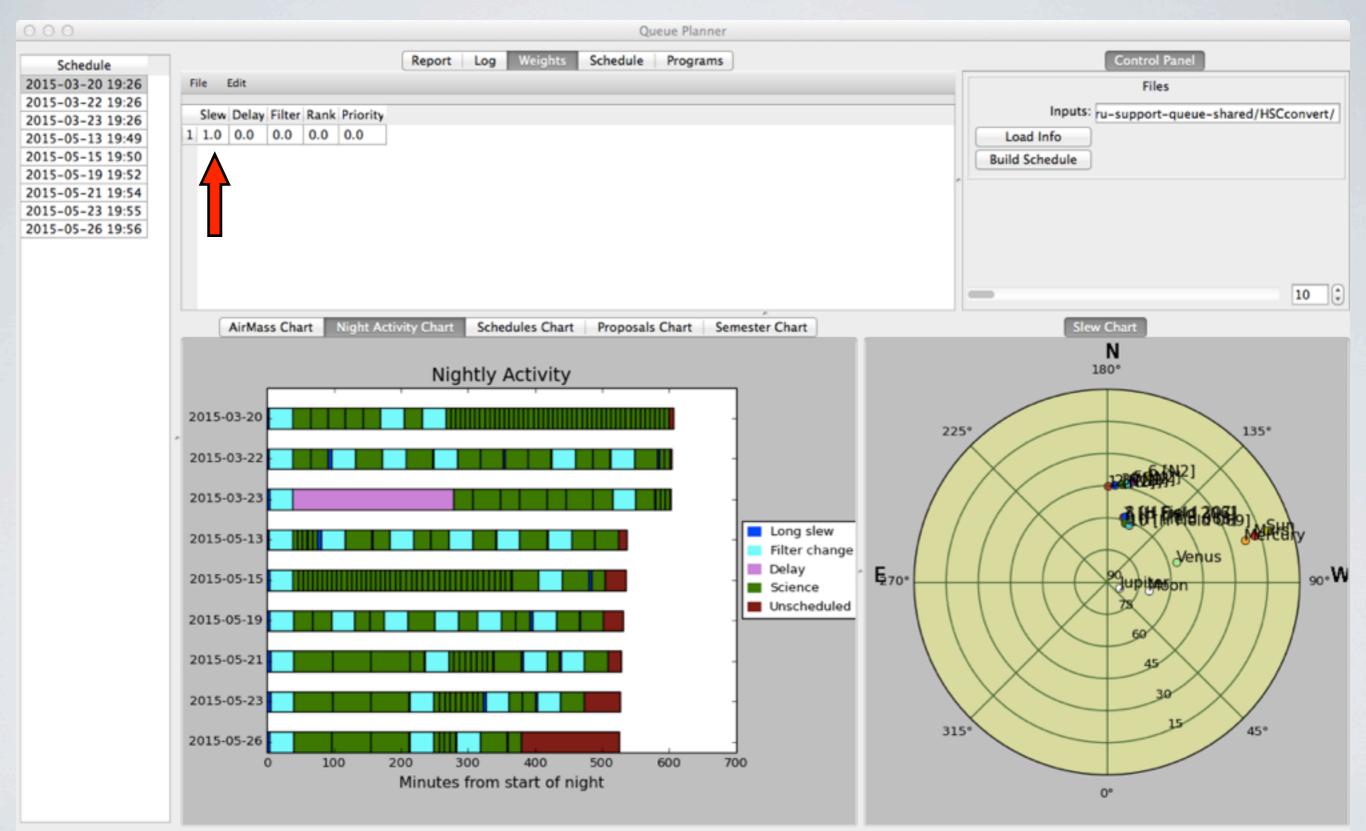


## Weights in **qplan**

- Slew, Delay, Filter, Rank, Priority
- The higher the number, the more important such weight is considered in the scheduling algorithm
- The higher the number, the more severe the "penalty" is, i.e. makes OBs "heavier", less likely to be scheduled in qplan
- Except "Rank"; higher ref. score means better proposal; qplan considers the inverse value of ref. score to make high-rank OBs "lighter", more likely to be scheduled

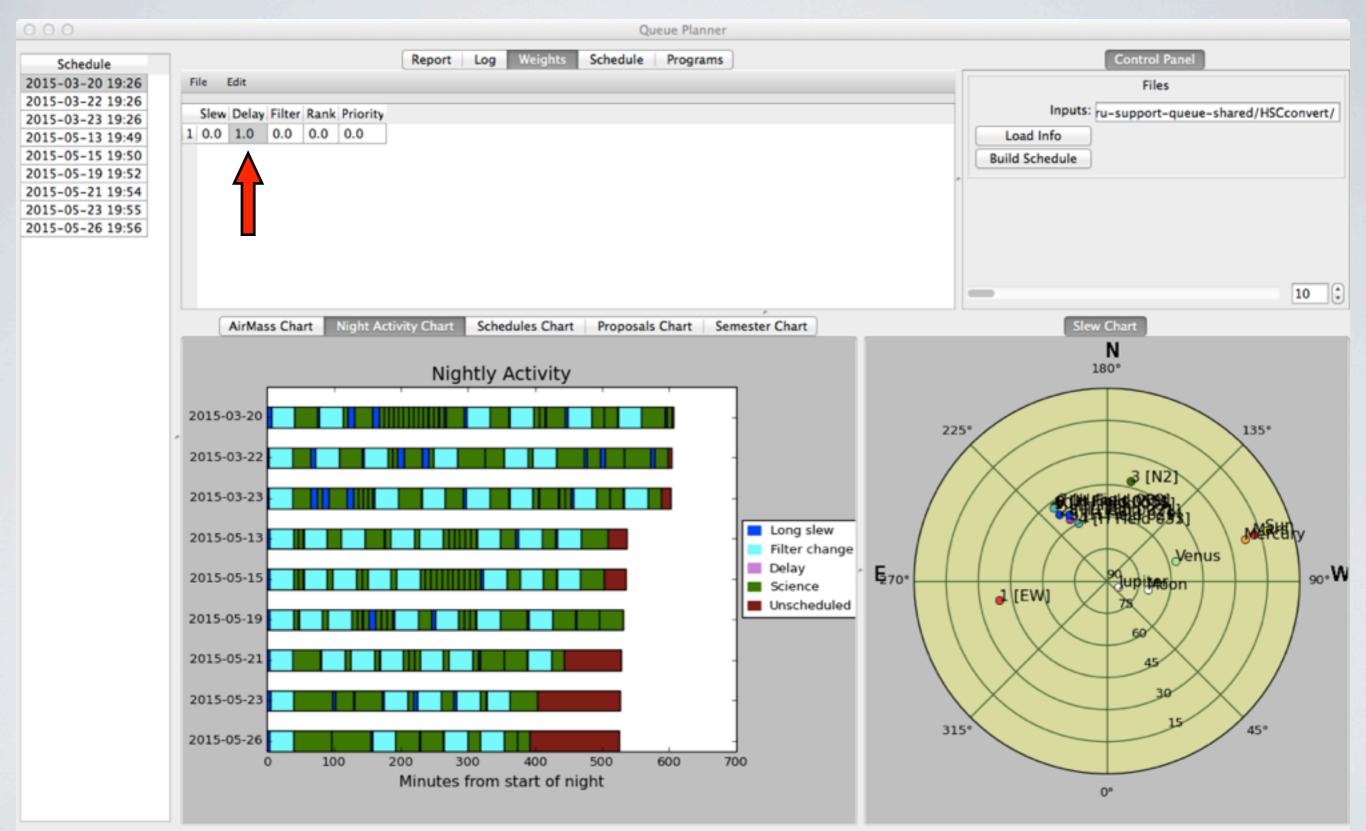


## Weights: Slew



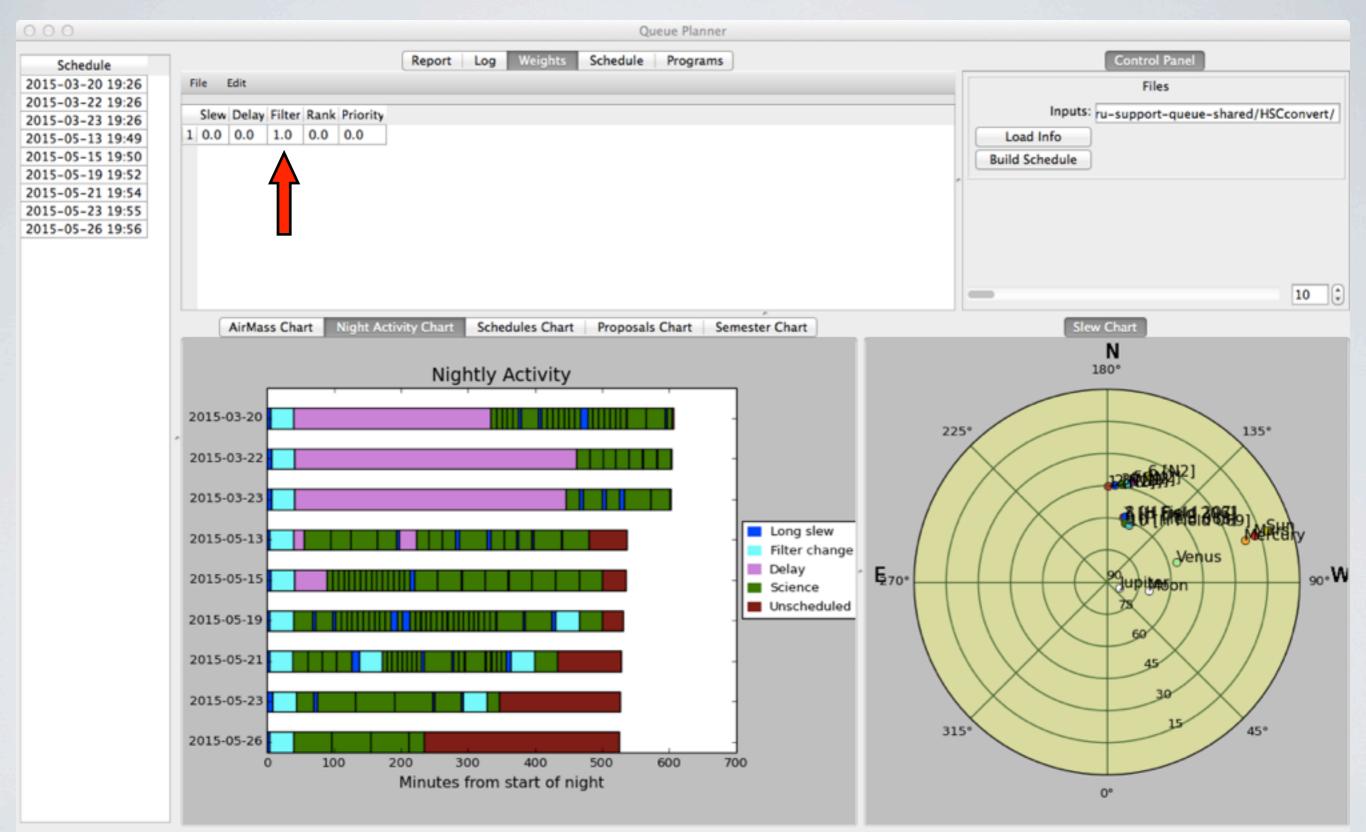
Minimum long slews

## Weights: Delay



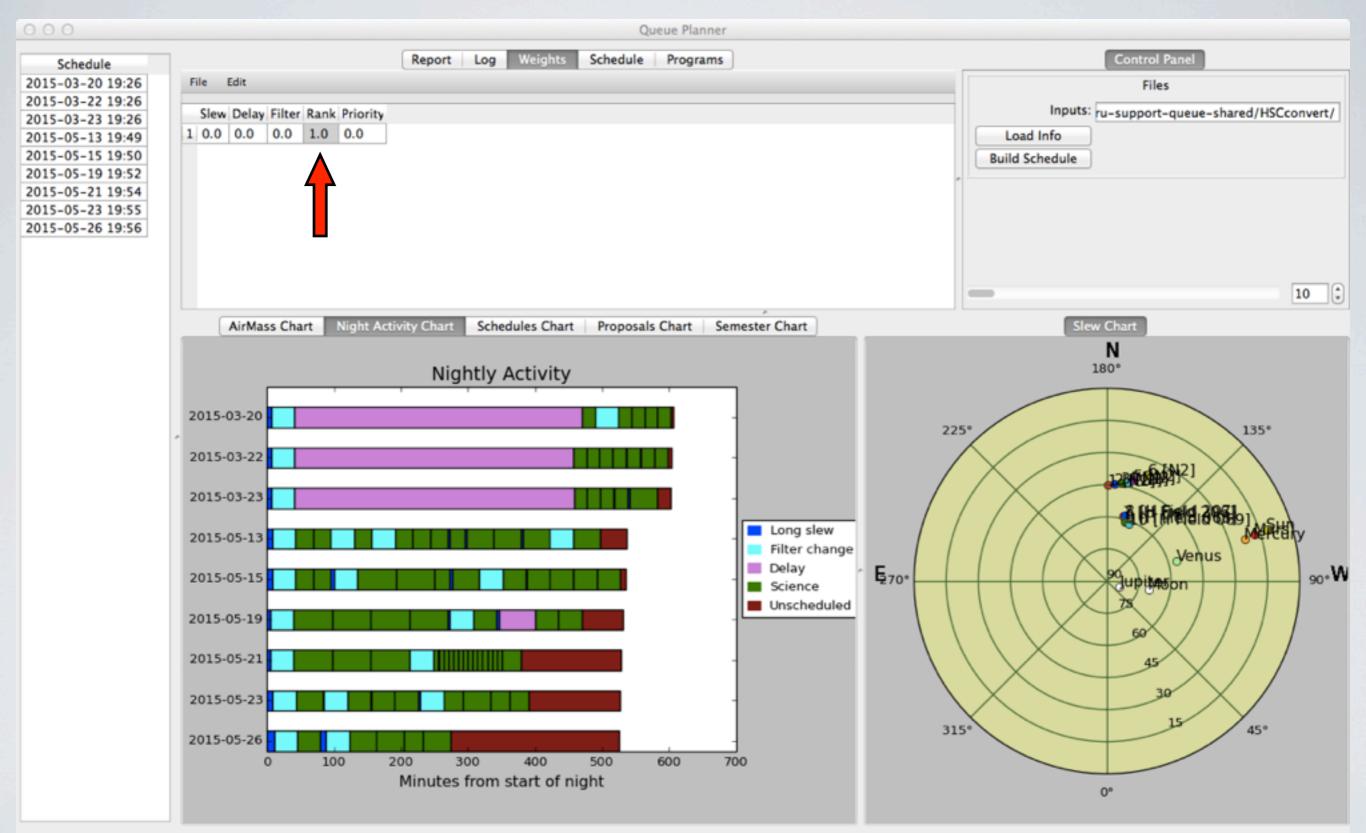
Minimum delay

## Weights: Filter



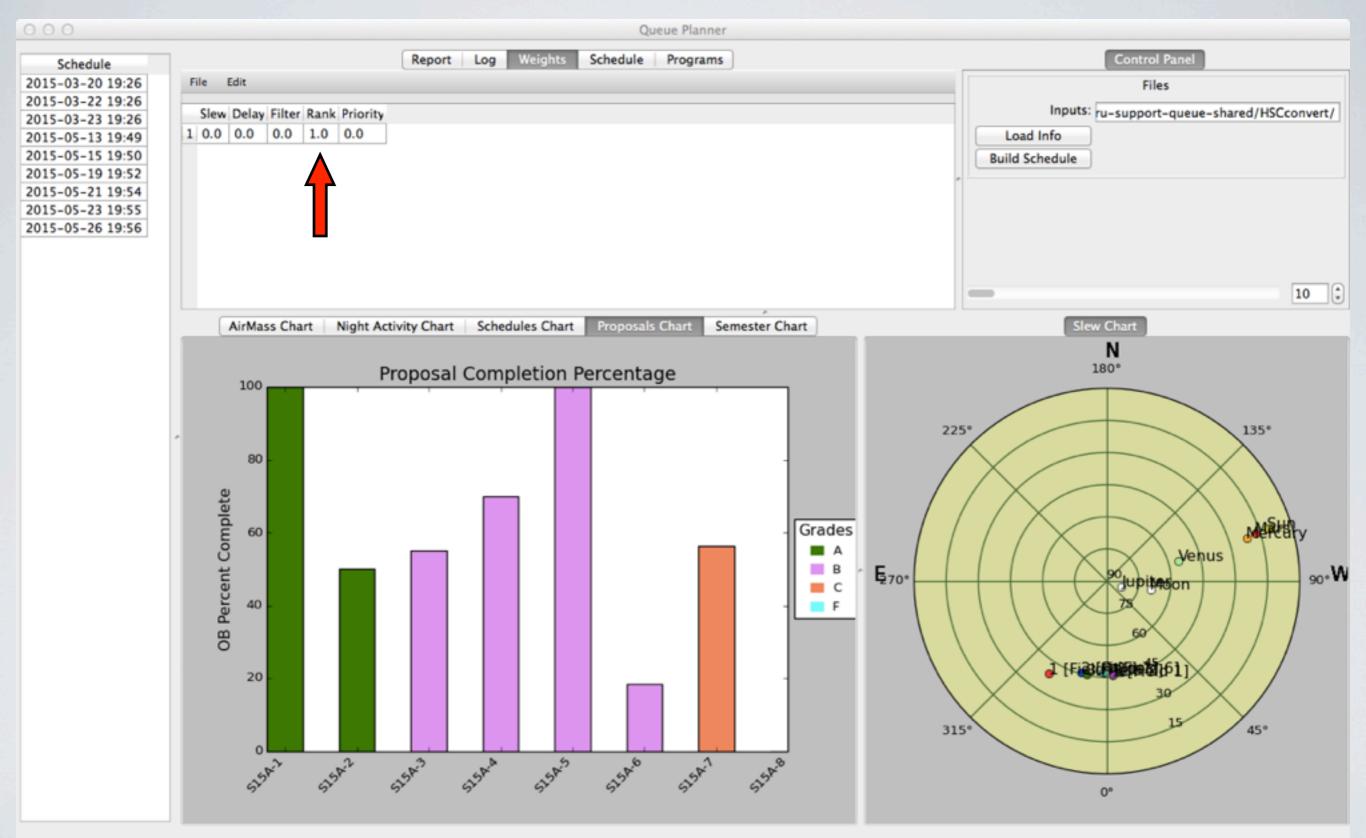
Minimum filter change

## Weights: Rank



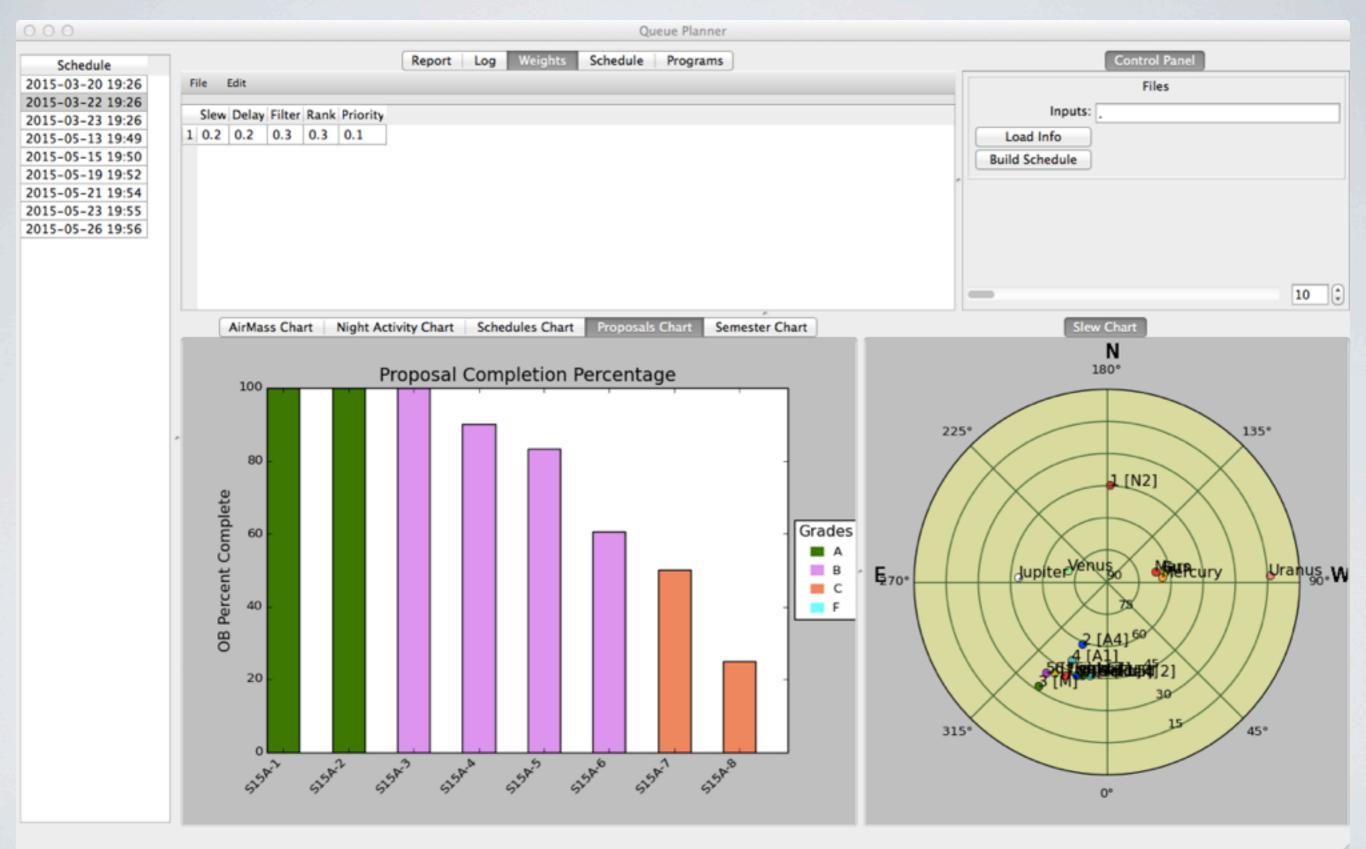
Spend every effort to finish highest ranked program

## Weights: Rank

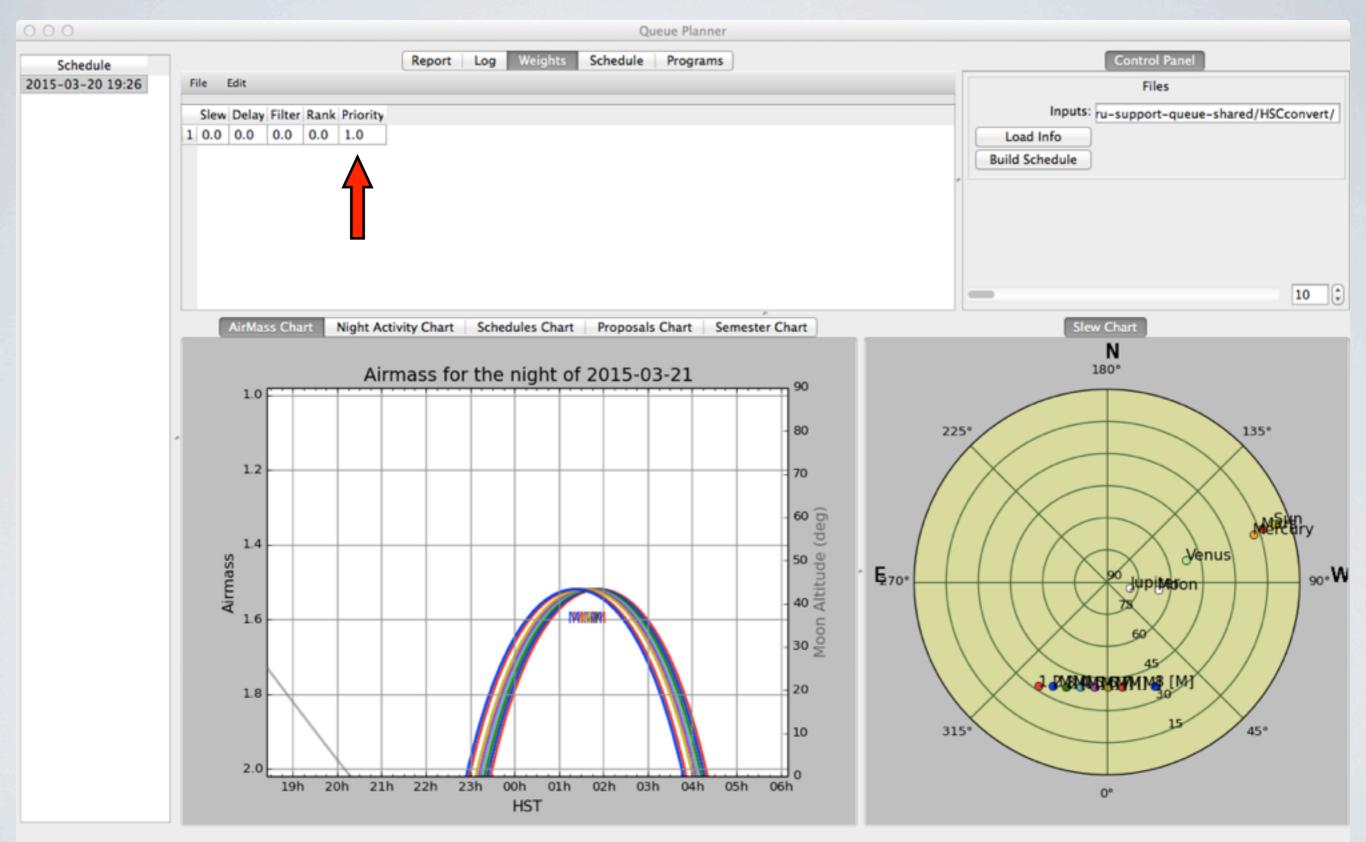


Caveat: poorer overall completion rate

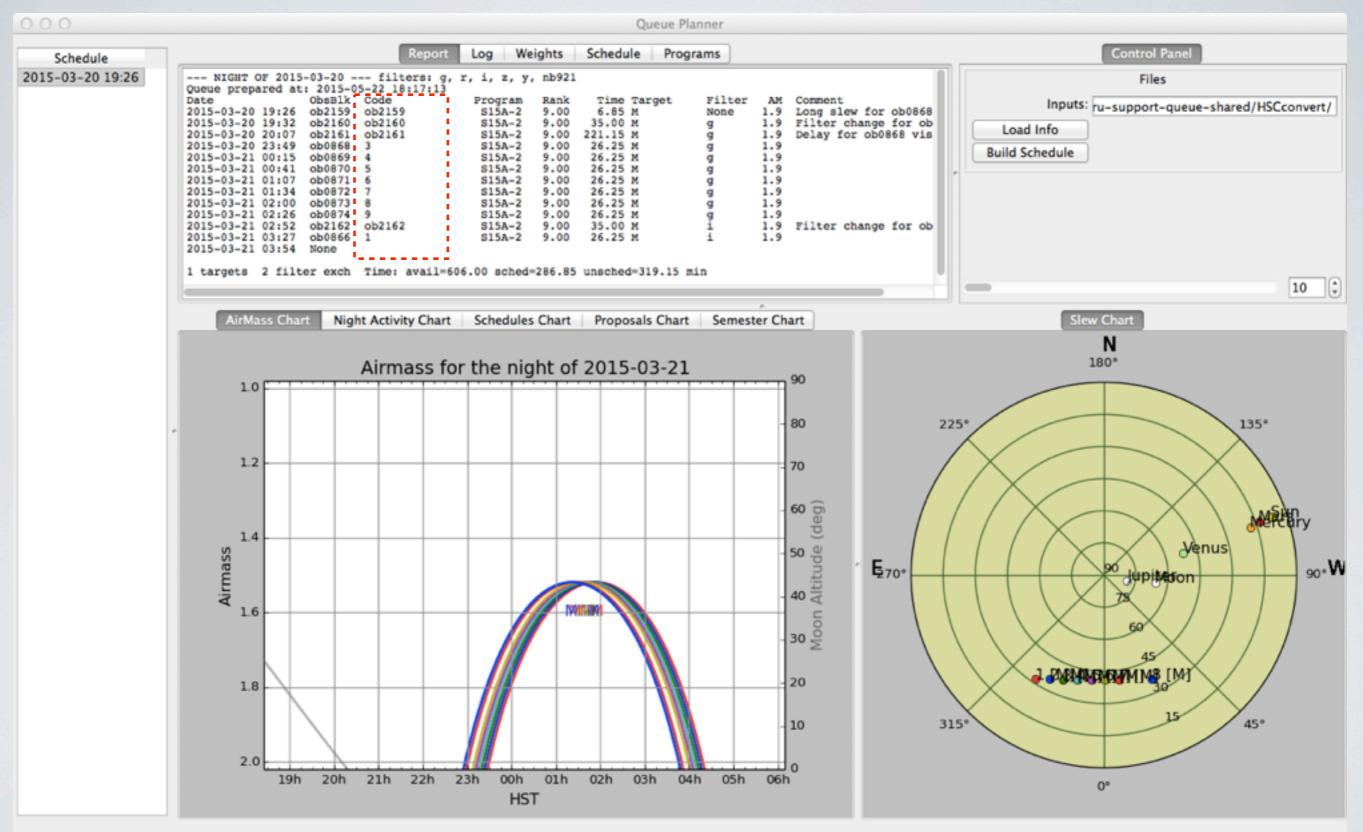
## Weights



## Weights: Priority



#### Weights: Priority

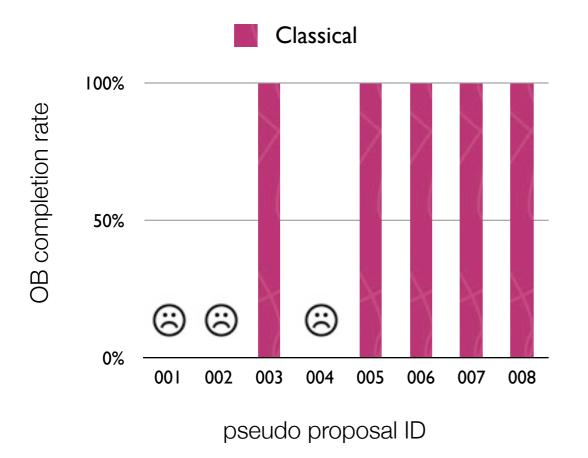


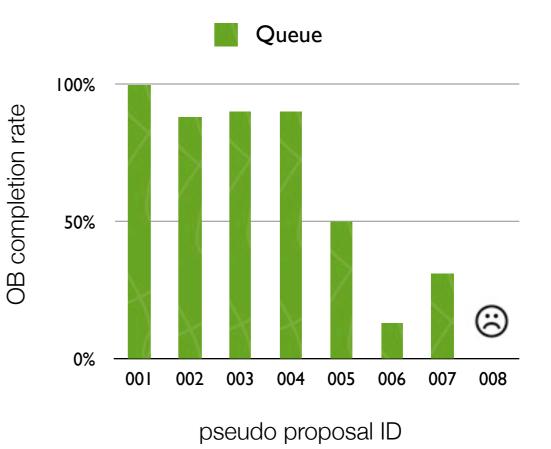
# Questions?



## Simulation scenarios

• Weather lost, 3 high-ranked program nights, 15A schedule



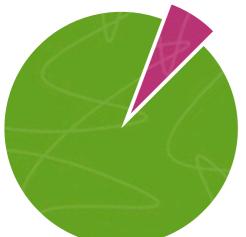


## Simulation scenarios

• 15A HSC open-use nights + 5 April dark nights

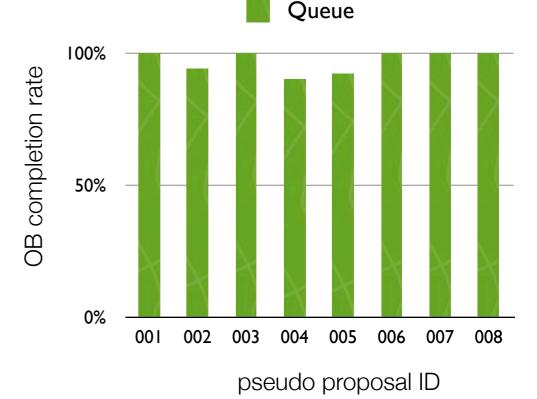
Good weather

3 bad-weather nights



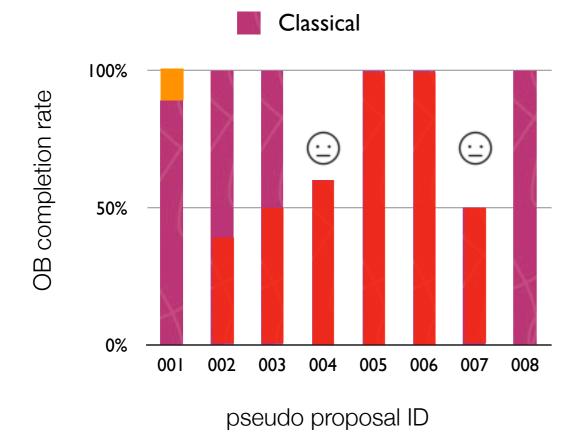
5.7 hrs difference between queue and classical schedules

**Completed all programs** (over 9 nights) 77.6 hrs; 55.6 hrs dead time (c.f. 83.3 hrs in classical over 9 nights)

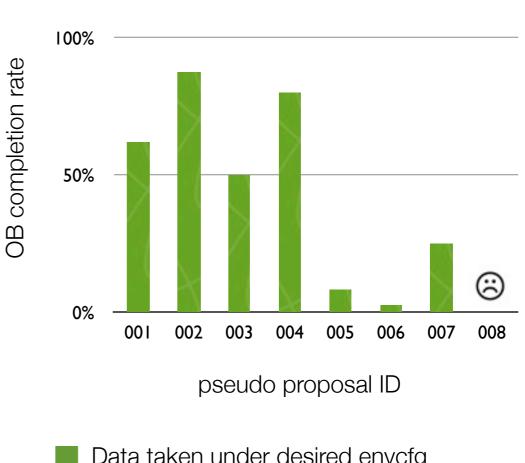


# Simulation scenarios

• 15A HSC open-use nights with actual weather info (as of 5/31)



Data taken under non-optimal envcfg



Queue

Data taken under desired envcfg without system malfunction

System trouble time lost

# Simulation remarks

- Partially completed queue program data may be useful and/or publishable.
- Few relatively high-ranked programs are not granted time due to classical schedule constraints.
   In queue simulations they get data.
- High demand for March and April (popular RA) and dark time (g & NB filters).
- Classical observations: take what you can Queue observations: take the best when you can



# June 17

- Phase 2 Tool spreadsheets
- Go through all functions in ph2-spdsht-exp.xls
- Hands-on session using ph2-spdsht-prac.xls

