

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 3097 - L2 Version 3  
Chandra X-Ray Center

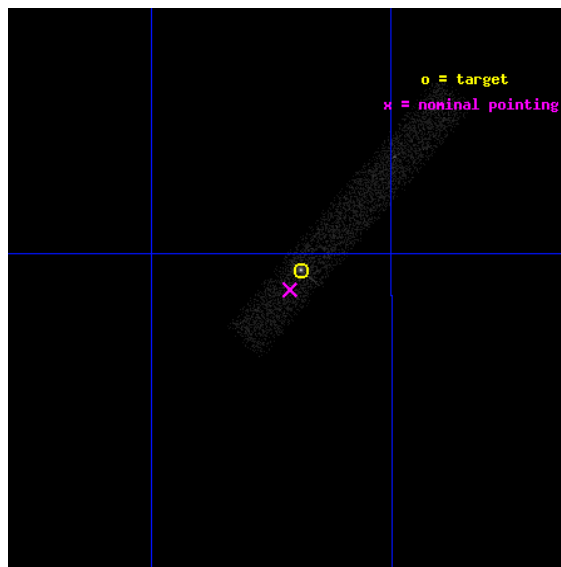
L2 Processing Date : Oct 3 2012

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# 1 Front

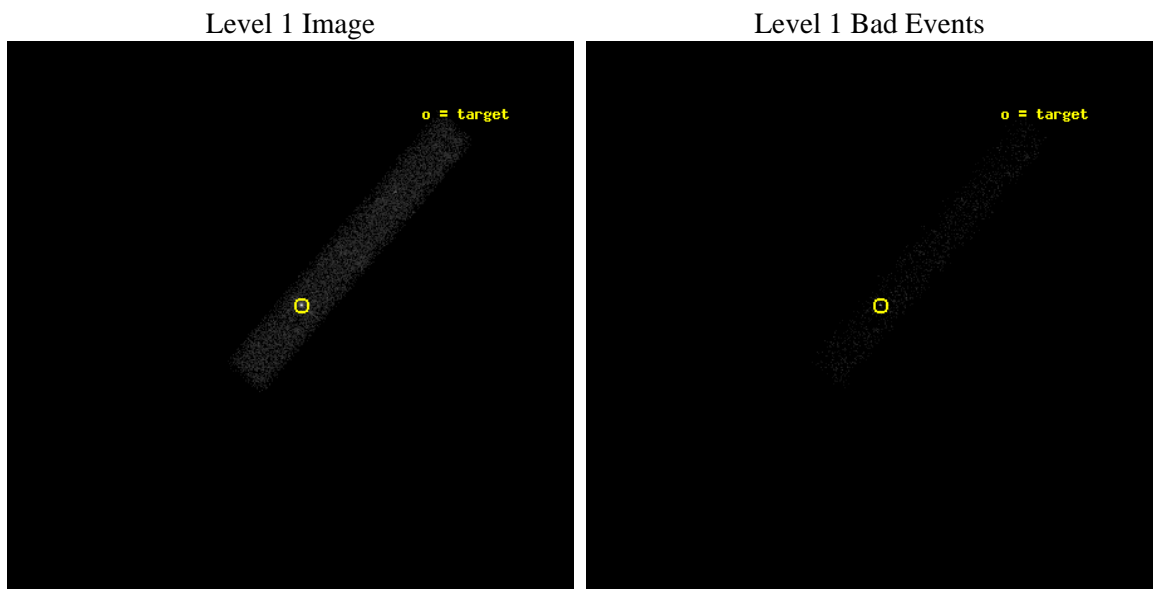
seq_num	700536	Sequence number
obs_id	3097	Observation id
title	X-RAY IMAGING OF GPS AND CSS QUASARS	Proposal title
observer	Dr. Aneta Siemiginowska	Principal investigator
object	Q0134+329	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	24.422083	Observer's specified target RA [deg]
dec_targ	33.159444	Observer's specified target Dec [deg]
ra_nom	24.427944814139	Nominal RA [deg]
dec_nom	33.151101039707	Nominal Dec [deg]
roll_nom	310.41676739499	Nominal Roll [deg]
revision	3	Processing version of data
ontime	10171.200151563	Sum of GTIs [s]
livetime	9224.7416575029	Livetime [s]
ontime7	10171.200151563	Sum of GTIs [s]
l2events	12800	Number of level 2 events



## 2 OBI

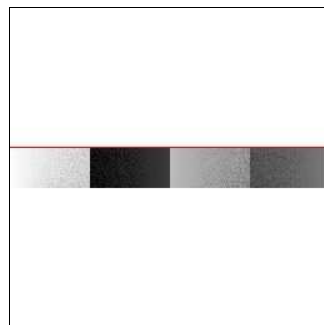
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	9558.782000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10171.200151563	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime7	10171.200151563	Sum of GTIs [s]
date	2012-10-03T03:35:15	Date and time of file creation	l1events	20358	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	20358
rejected events	7332
rejected %	36%

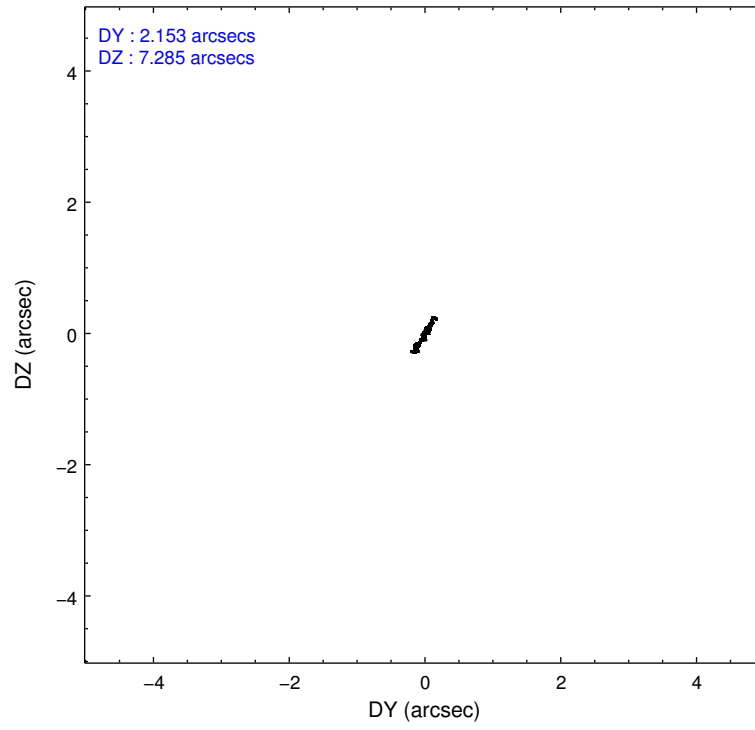
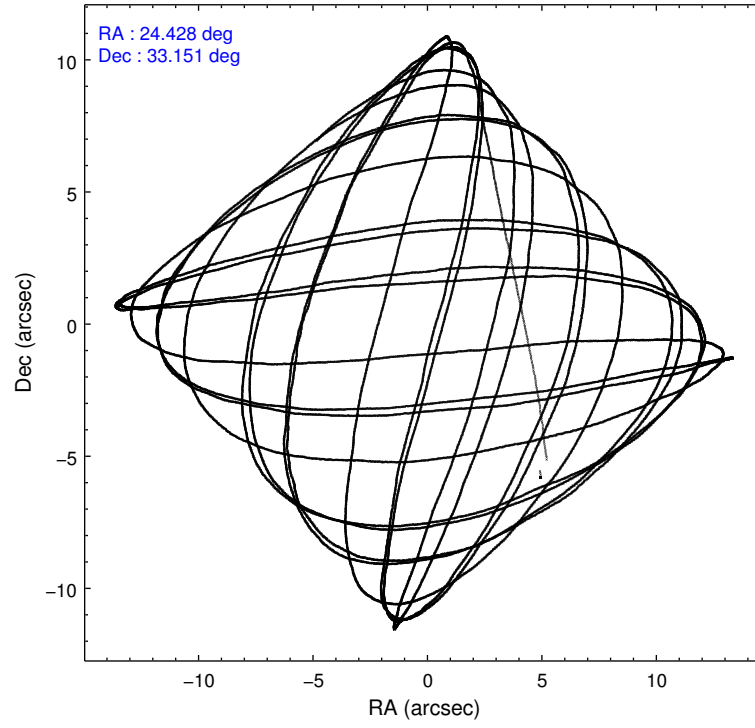
	<b>ccd 7</b>
grade 0 events	3343
	16%
grade 1 events	88
	0%
grade 2 events	2926
	14%
grade 3 events	1629
	8%
grade 4 events	1535
	7%
grade 5 events	1422
	6%
grade 6 events	3801
	18%
grade 7 events	5614
	27%

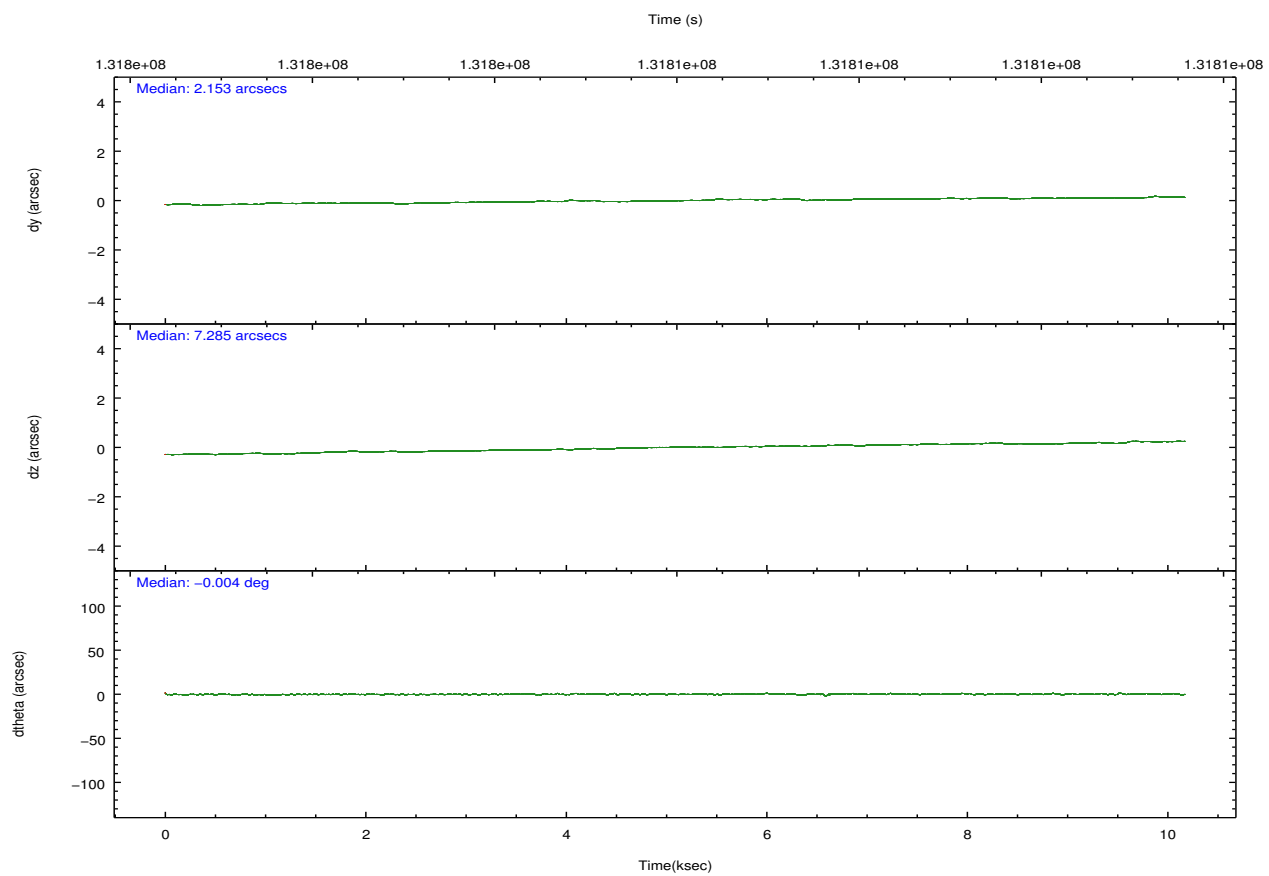
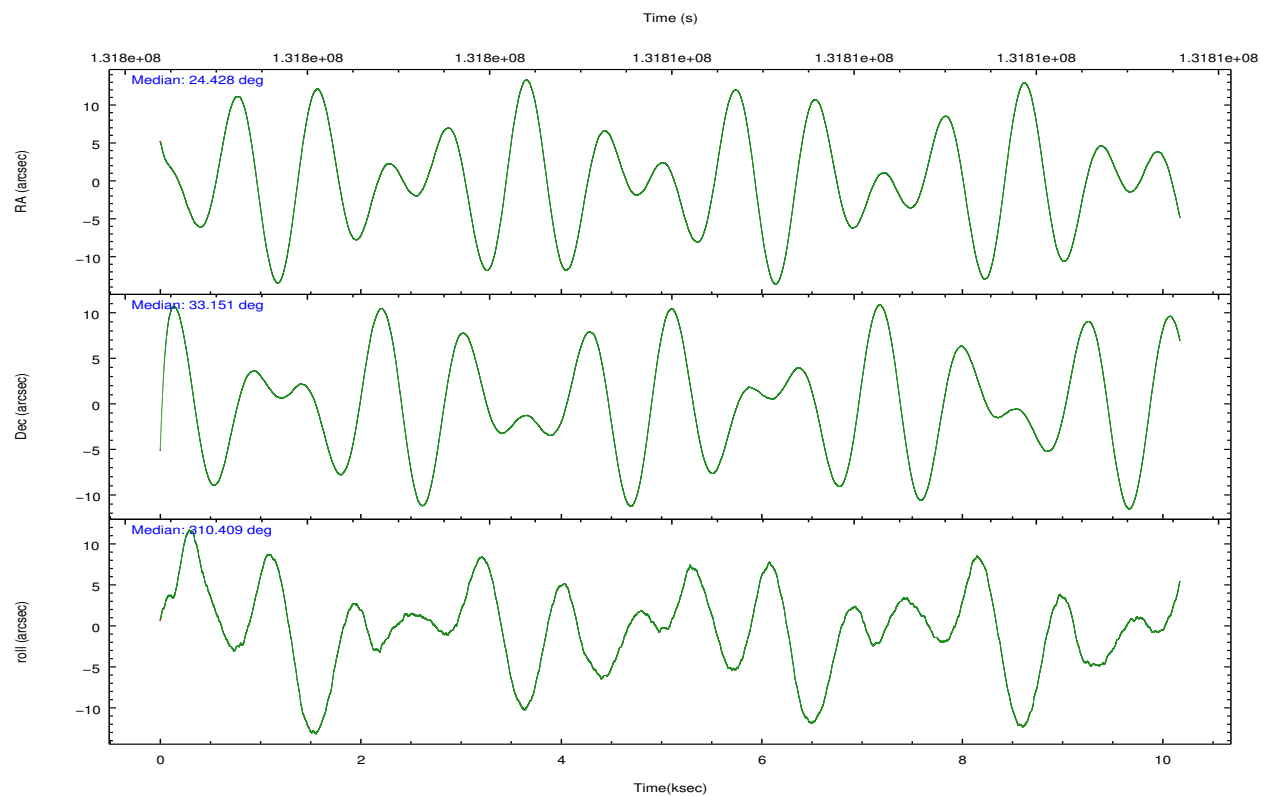


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	24.397118	24.42794481413873	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	33.159869	33.15110103970727	Subarray start row	449	449
[deg] Pointing Roll	310.277012	310.4167673949897	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	131801508.184000	131800338.52388			
Observation start date	2002-03-06T11:30:44	2002-03-06T11:12:18			
[s] Observation end time (MET)	131811067.184000	131811381.87433			
Observation end date	2002-03-06T14:10:03	2002-03-06T14:16:21			
Read mode	TIMED	TIMED			

## 2.3 Aspect



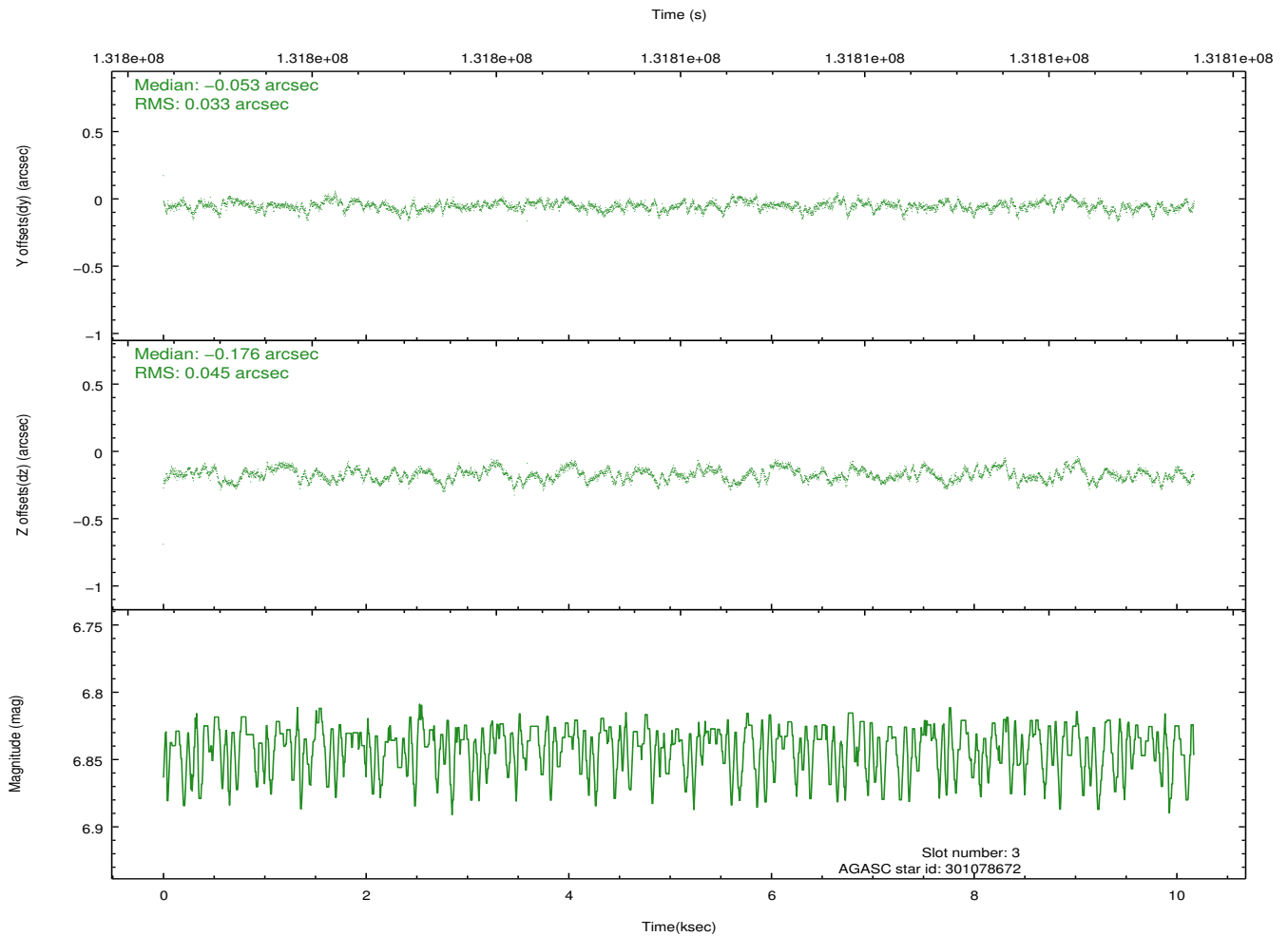
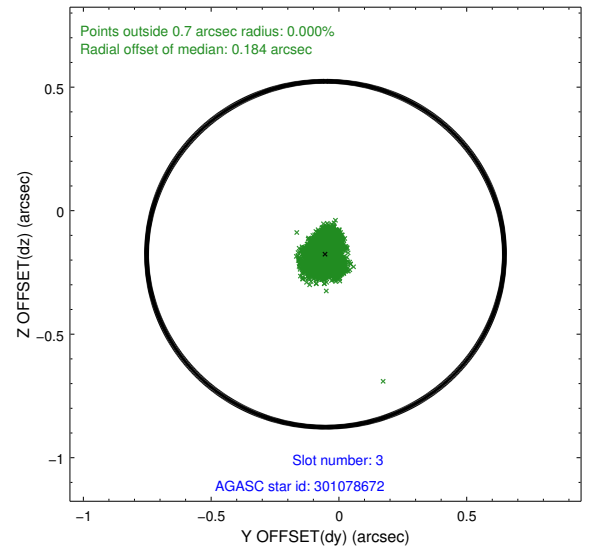
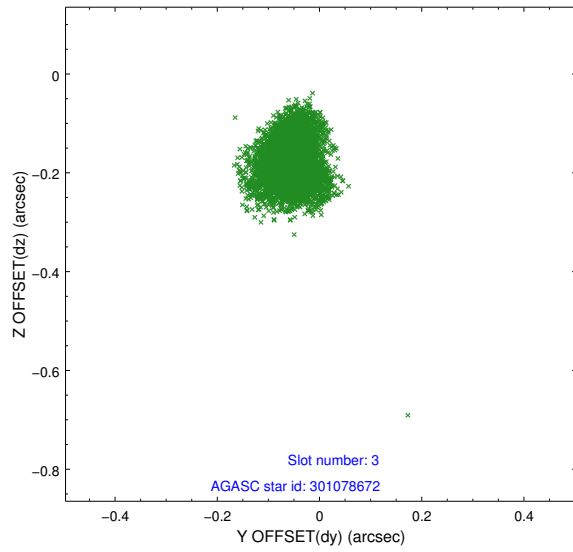


### Slot Statistics

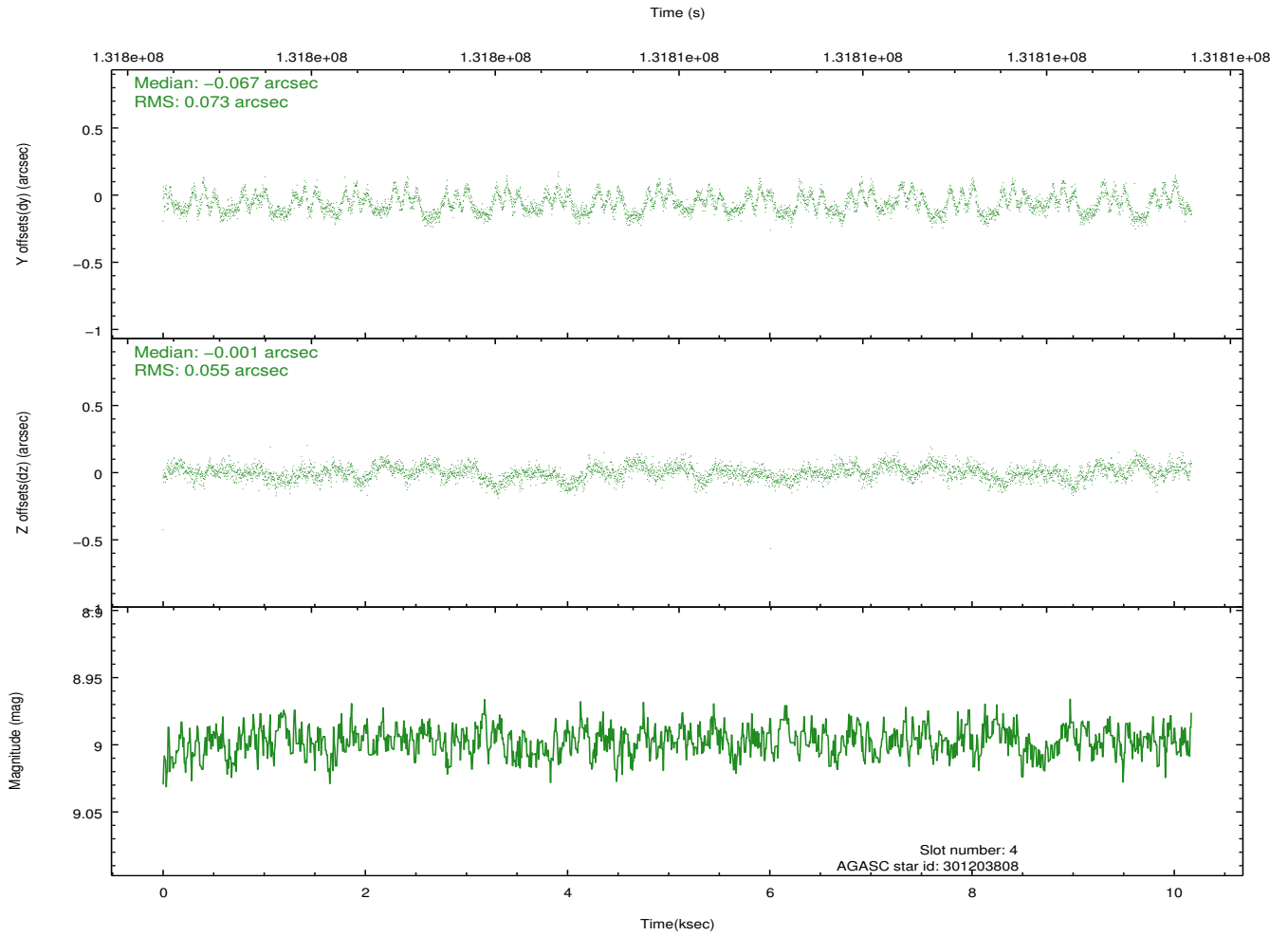
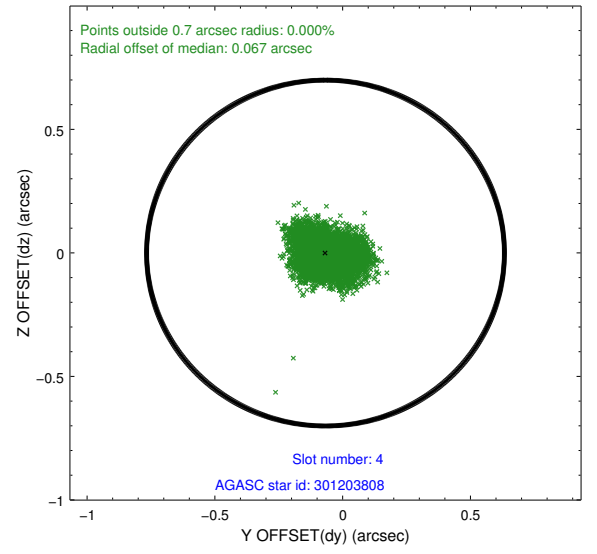
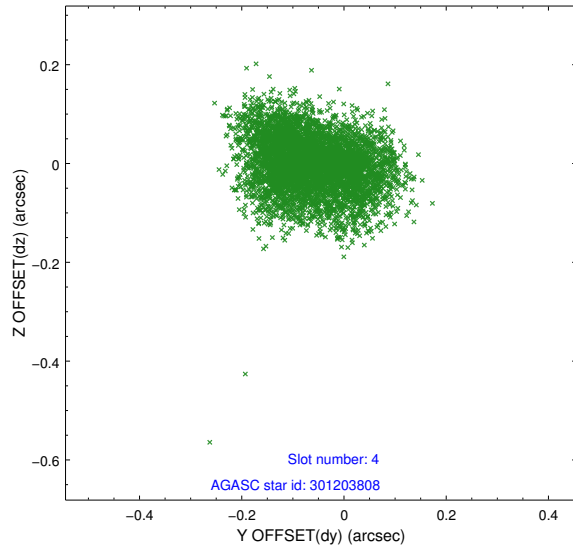
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2482	-0.021	-0.006	0.008	0.013	0.000000	0.000000	-754.79	-1728.44
1	FID	ACIS-S-4	7.20	2481	-0.035	0.012	0.006	0.010	0.000000	0.000000	2158.24	179.52
2	FID	ACIS-S-5	7.24	2482	0.026	0.003	0.008	0.013	0.000000	0.000000	-1806.91	173.78
3	GUIDE	301078672	6.84	4963	-0.053	-0.176	0.059	0.095	23.742068	33.117864	-1164.45	-1601.19
4	GUIDE	301203808	9.00	4961	-0.067	-0.001	0.099	0.157	24.801221	33.692942	-682.55	2165.18
5	GUIDE	301081112	9.45	4960	-0.054	0.013	0.117	0.187	23.544549	33.024503	-1298.32	-2271.30
6	GUIDE	301203520	9.57	4955	0.025	0.134	0.099	0.158	25.039415	33.419443	531.20	2080.15
7	GUIDE	301205280	9.56	4957	0.149	0.024	0.105	0.167	24.859523	33.145019	941.30	1031.58

## 2.4 Star Slots

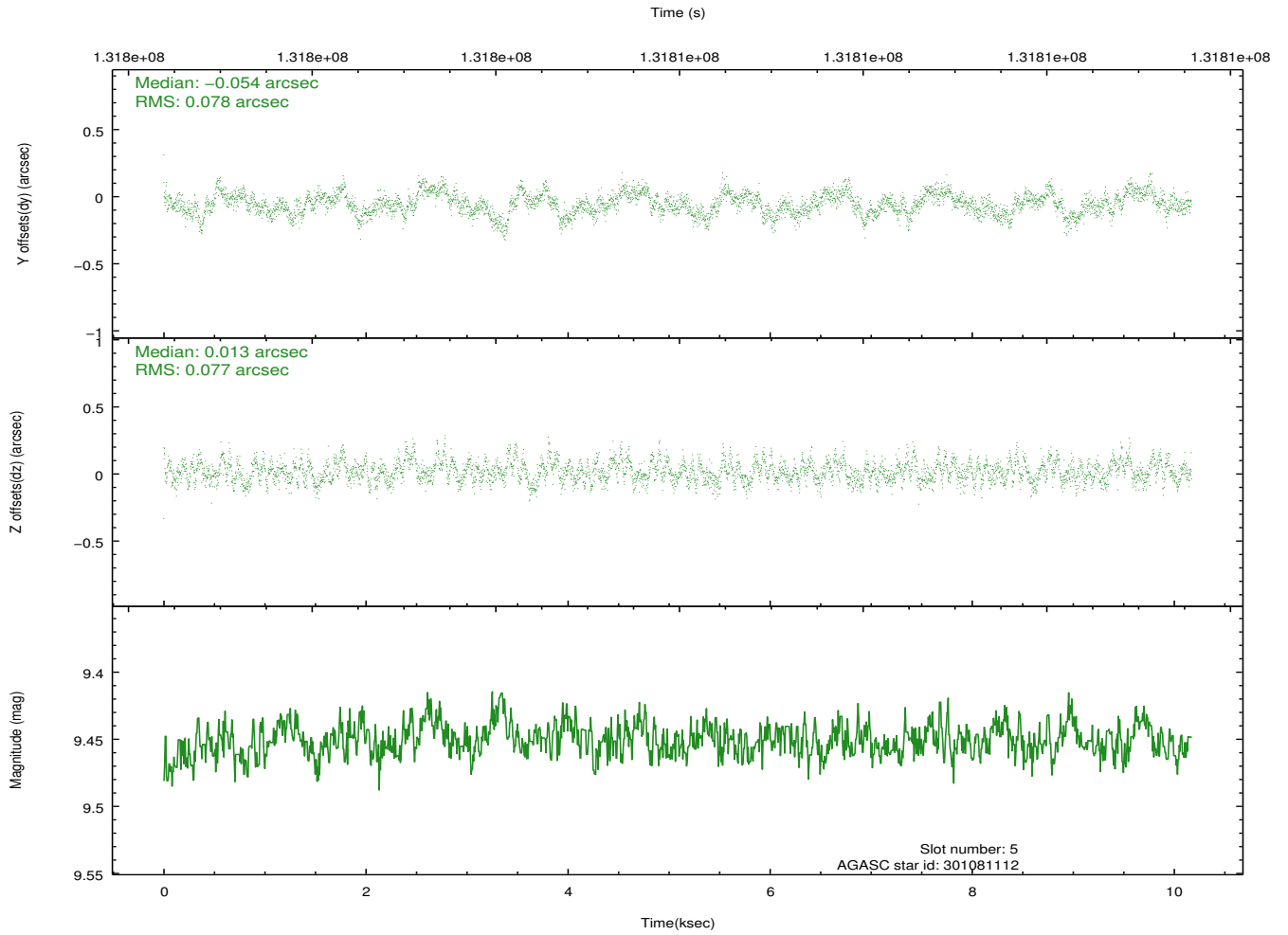
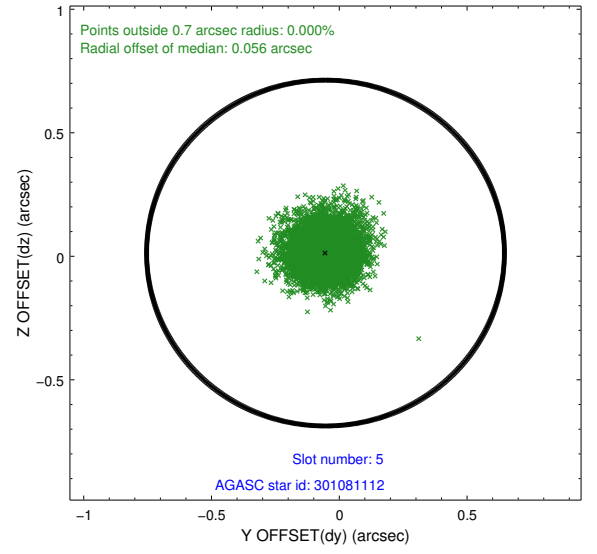
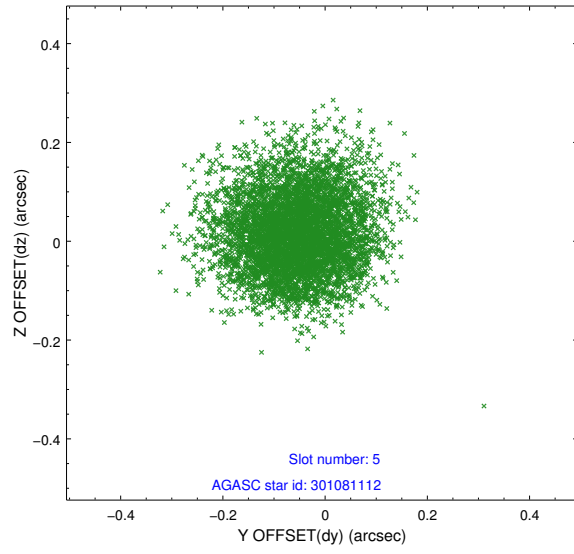
### 2.4.1 Slot 3



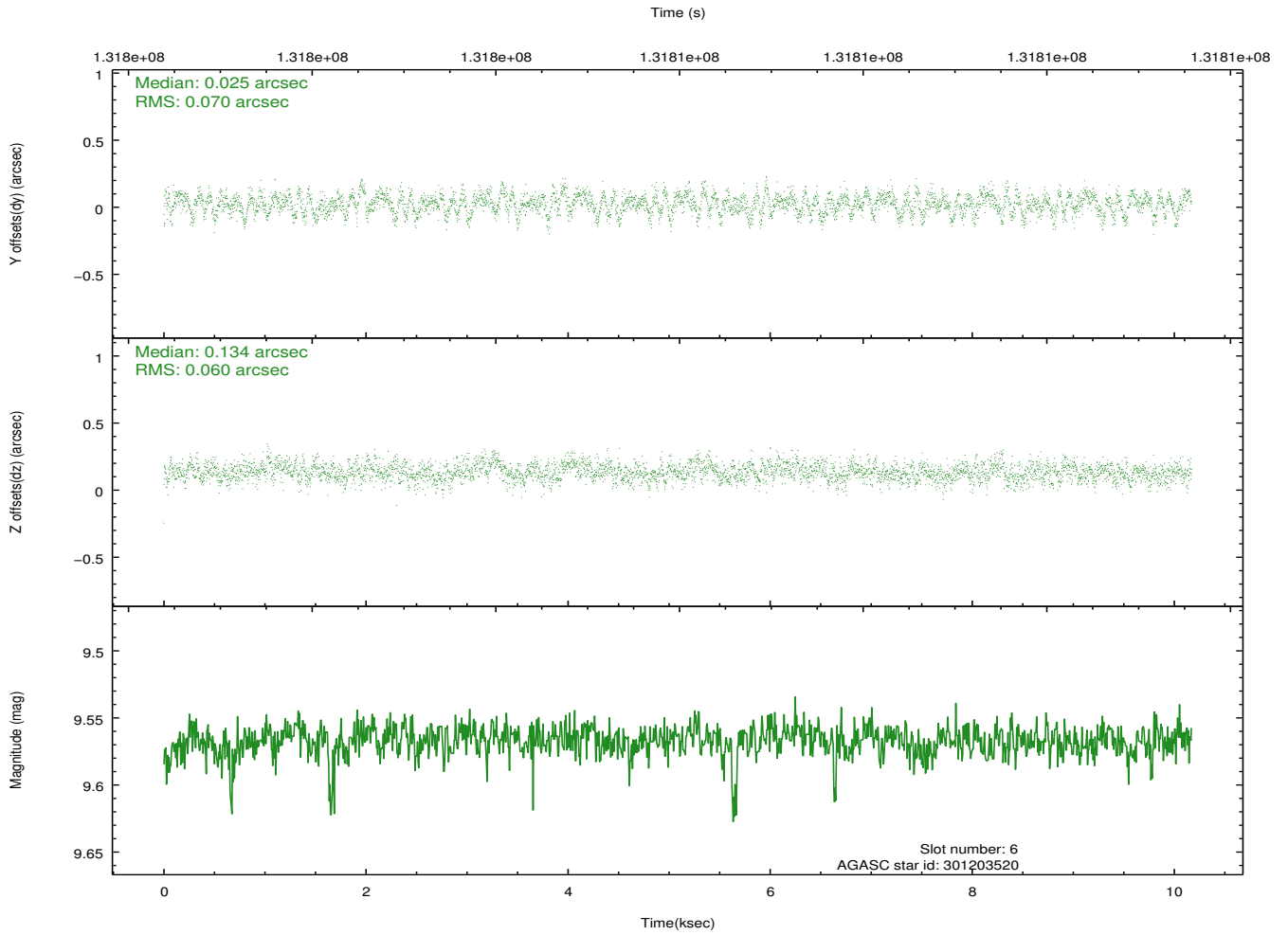
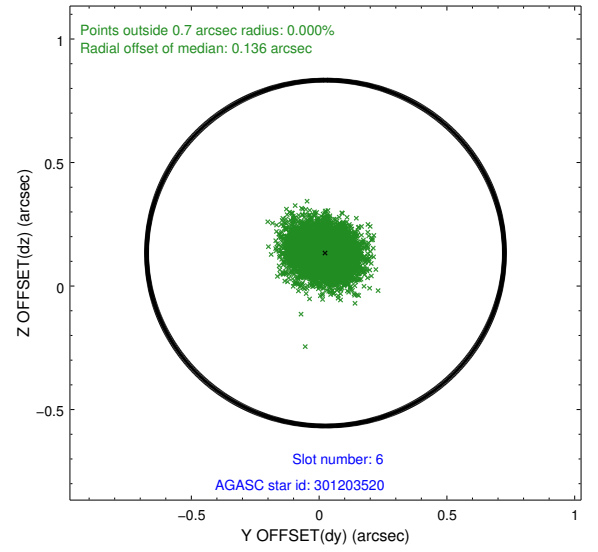
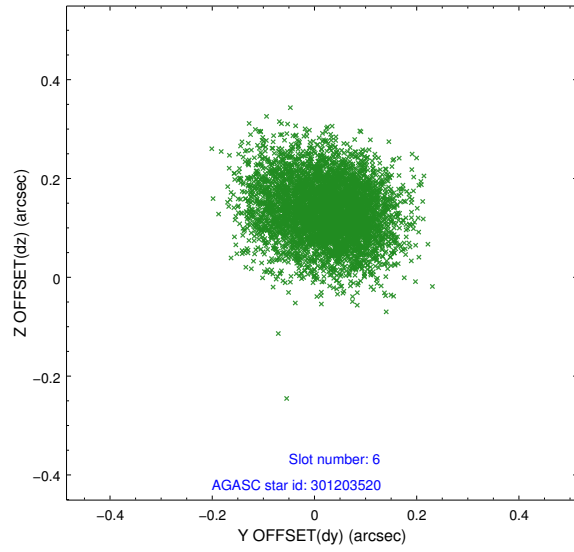
## 2.4.2 Slot 4



### 2.4.3 Slot 5

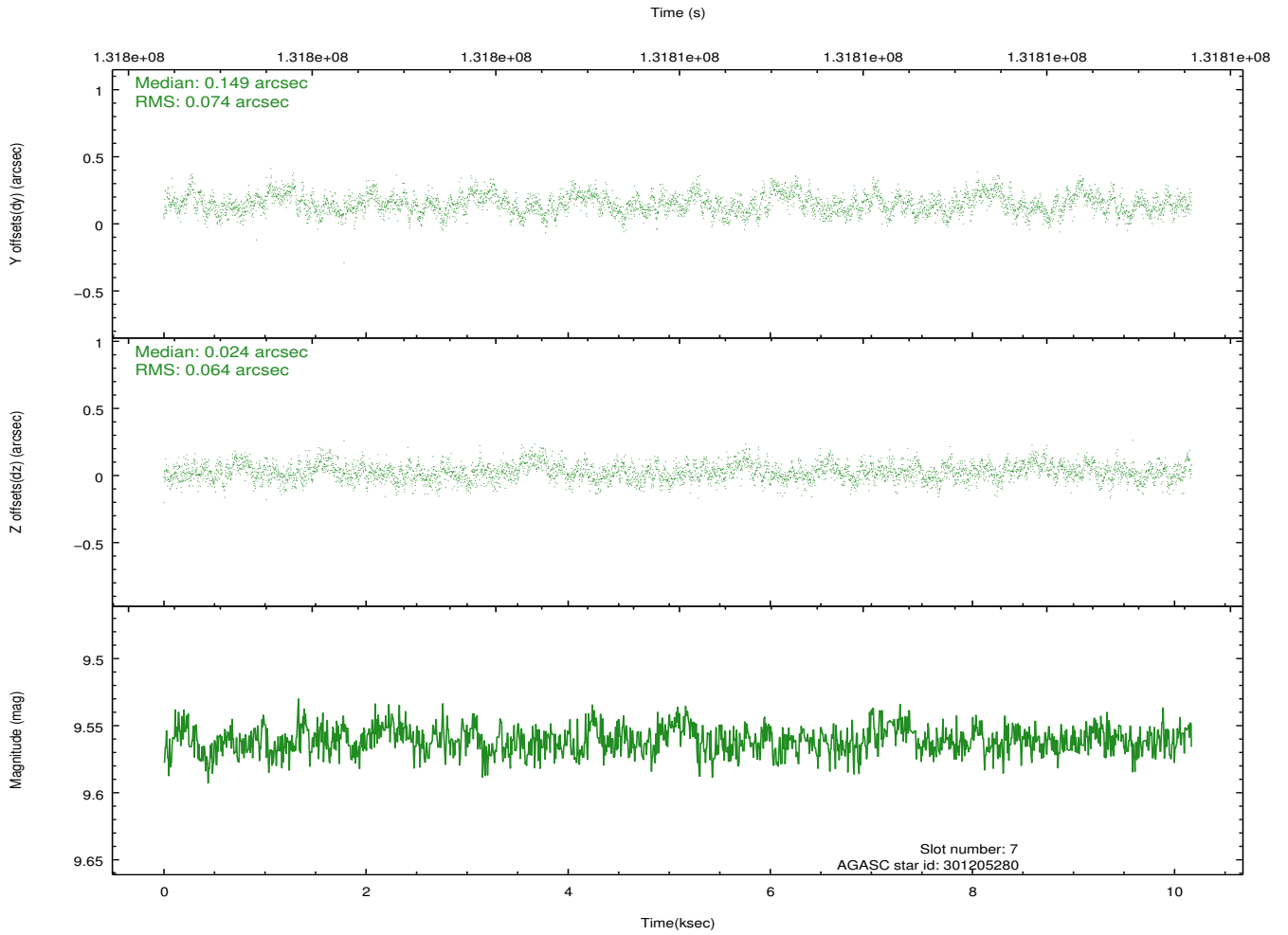
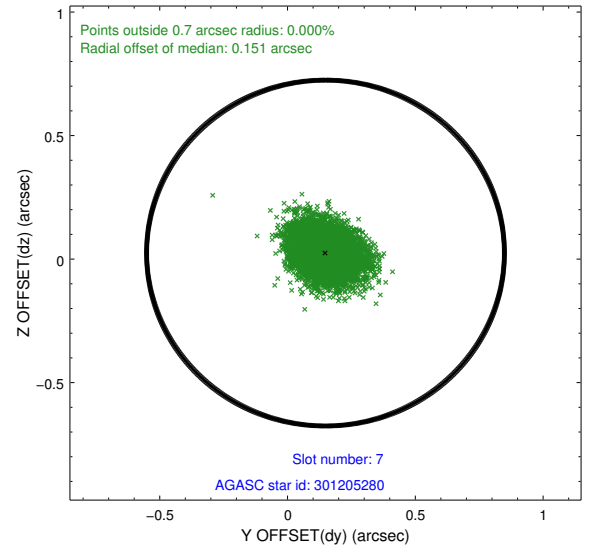
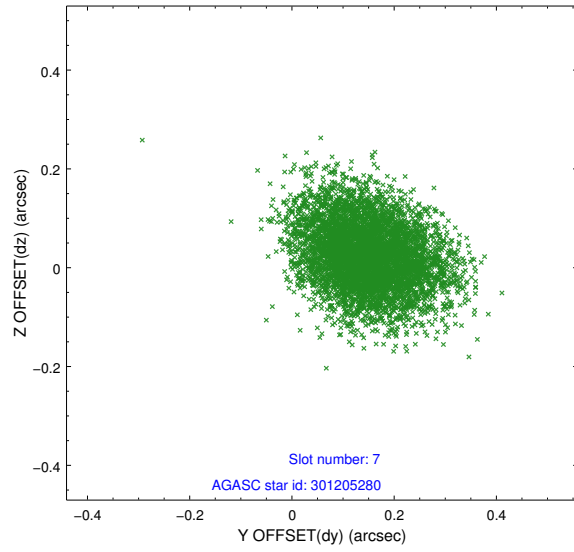


## 2.4.4 Slot 6



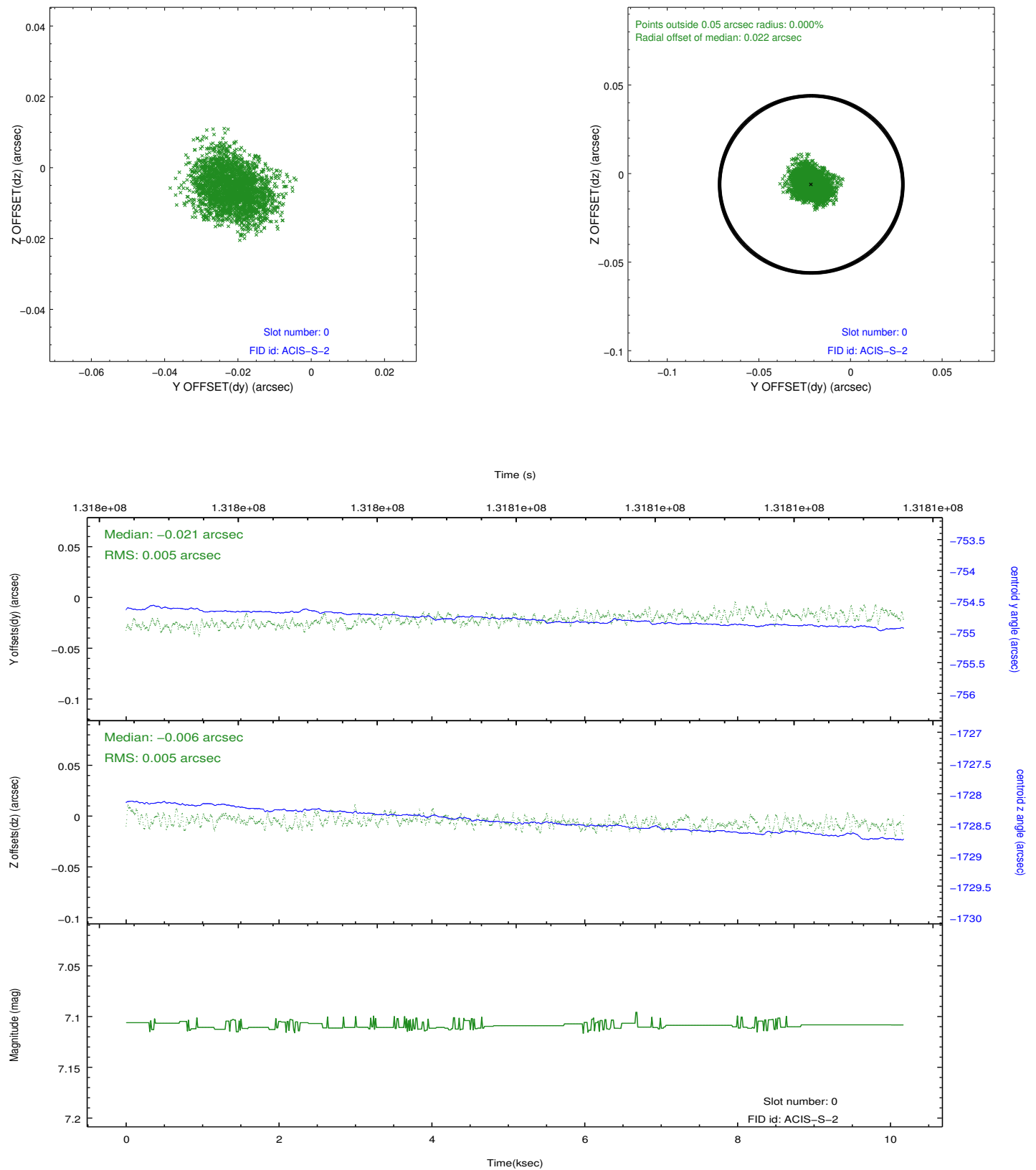


## 2.4.5 Slot 7

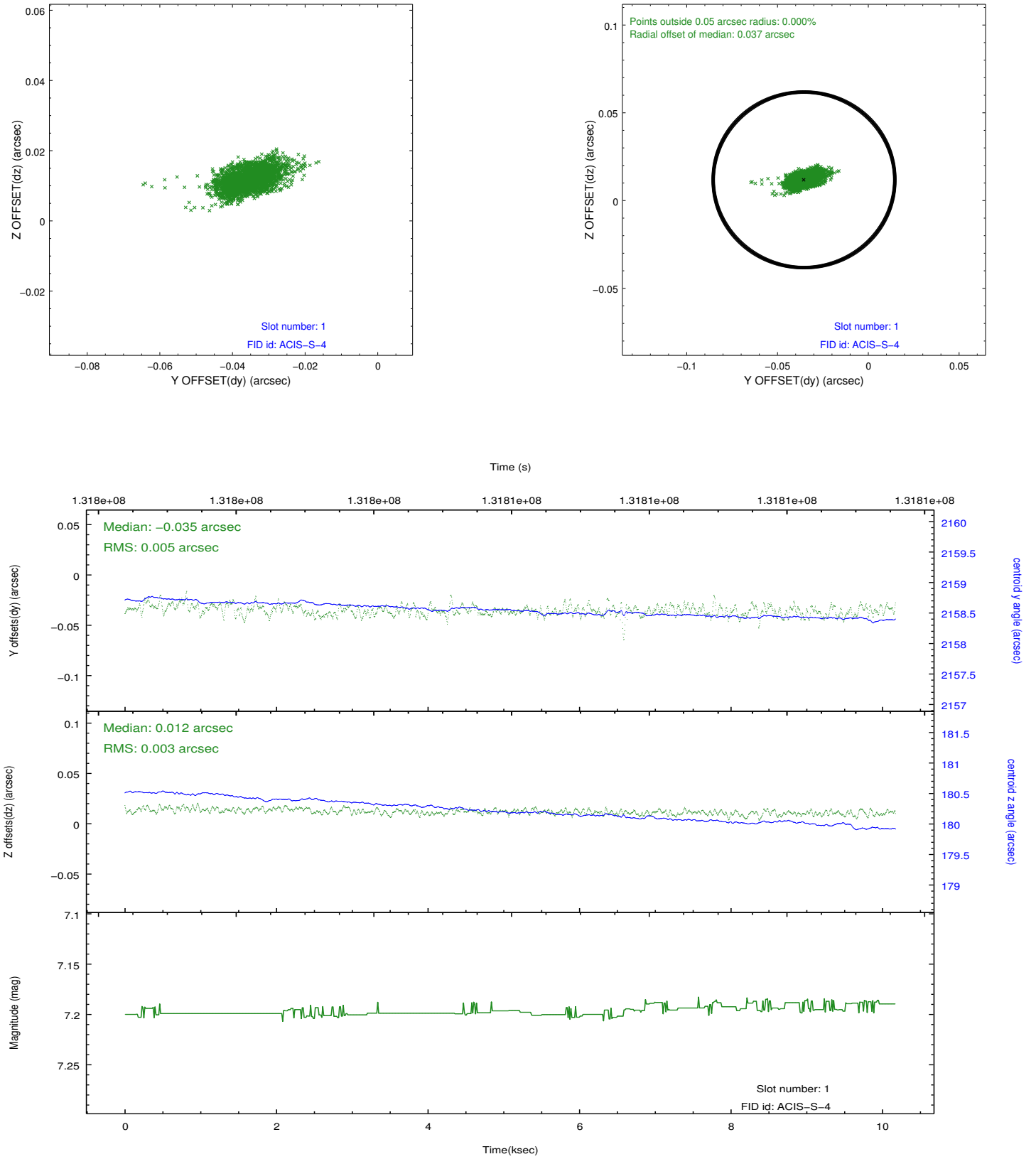


## 2.5 FID Slots

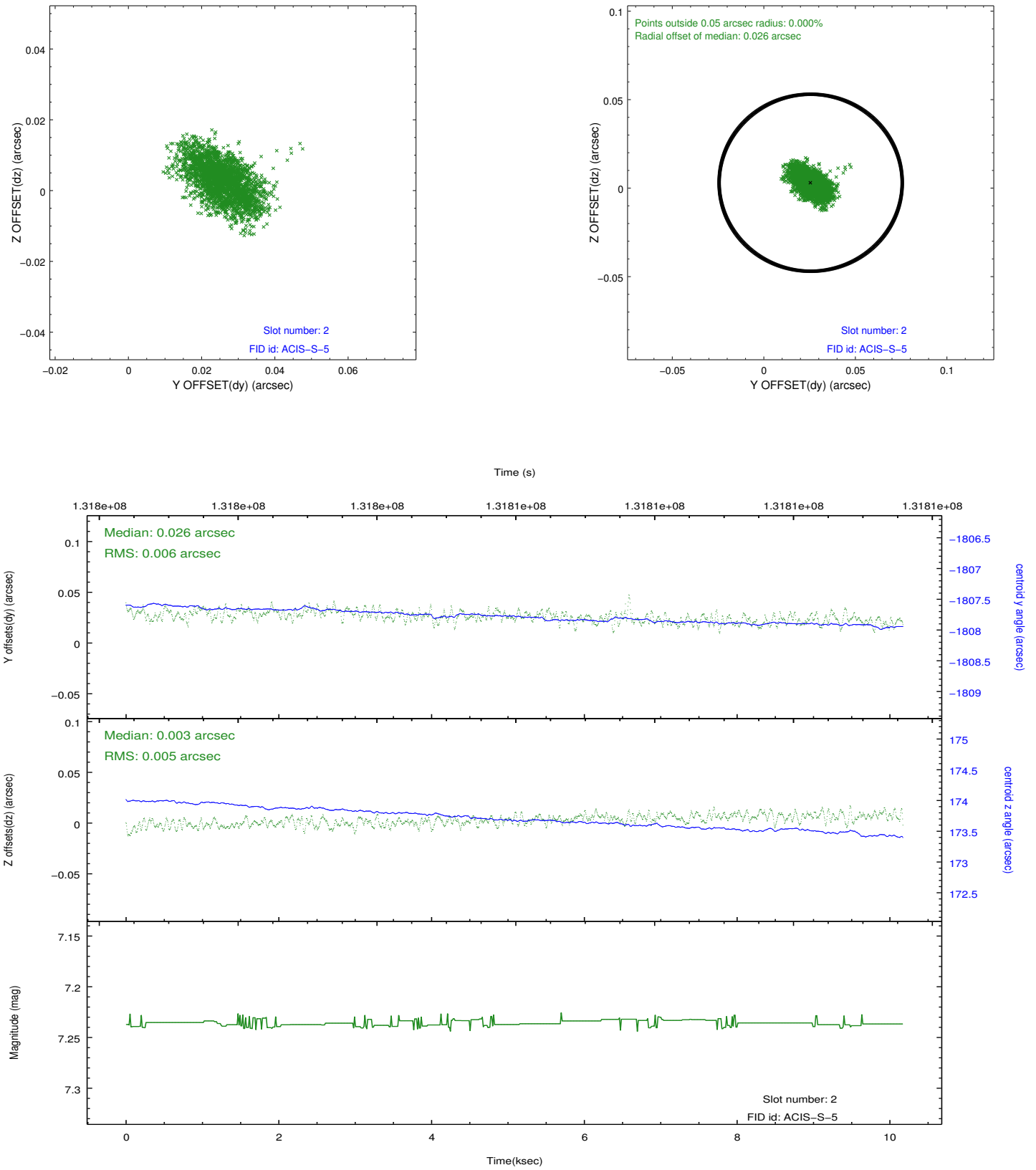
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.171

## A.2 Comments

Joint proposal with HST and NOAO.