

Statistics for VO Services

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Validation

- Total # of Services – The total number of services for the site
- Pass- The total number of services passing validation for the site
- Pass (%) – The percentage of services passing validation for the site

Registry Resources

- Total # of Resources – The total number of resource records for a site
- Pass (%) – The percentage of services passing resource validation. Resource validation was performed using the CXC VOResource Validator at: <http://rofr.ivoa.net/regvalidate/vorvalidate.html>

Monitoring

We test a small subset of services at each site every hour. Typically we test one instance of each VO protocol at each site.

- Pass (%) - The total number of passed tests divided by the total number of tests.
- % All Up – The fraction of time all the tests at a given site passed. E.g., if we test five services at a given site, then the fraction of time that all five services passed.

Monitoring statistics are given for both the past year and the past six months.

Site	Validation			Registry Resource Validation		Monitoring (last six months) (10/16-4/17)		Monitoring (last year: 5/16-4/17)	
	Total # of Services	Pass	Pass (%)	Total # of Resources	** Pass (%)	Pass(%)	% All Up	Pass (%)	%All Up
3CRSnapshots	1	0	0.00	1	0.00	98.90	98.90	99.40	99.40
ARCHES	2	2	100.00	2	0.00	99.40	98.90	99.10	98.30
ARVO	1	0	0.00	1	0.00	97.60	97.60	98.20	98.10
ASDC	1	0	0.00	1	0.00	100.00	100.00	99.90	99.90
Astronet	28	1	3.57	27	100.00	49.10	39.30	64.50	49.40
BSDC VO	6	4	66.70	5	0.00	99.90	99.90	99.20	98.60
CADC	6	0	0.00	3	100.00	97.30	87.60	98.10	92.30
CDPP	2	1	50.00	2	100.00	99.70	99.70	99.60	99.60
CDS	1	0	0.00	1	100.00				
CDS SIMBAD	2	1	50.00	2	50.00				
CDS VizieR	17048	15935	93.47	14367	84.27	98.90	97.30	99.00	97.50
CESAM	11	0	0.00	11	81.81				
CSIRO	10	1	10.00	5	60.00	99.50	99.50	99.20	99.00
China VO	4	4	100.00	4	0.00	99.00	97.10	98.60	96.50
DAME	1	0	0.00	1	0.00	91.60	91.60	95.20	95.20
ESAVO	16	5	31.25	14	100.00	98.30	96.80	98.10	96.40
ESO ORG	1	1	100.00	1	100.00	99.40	98.90	98.90	98.60

** STsci Registry records were tested. However, not all results are accurate as some records contain incomplete name space information.

Site	Validation			Registry Resource Validation		Monitoring (last six months) (10/16-4/17)		Monitoring (last year: 5/16-4/17)	
	Site Total # of Services	Pass	Pass (%)	Total # of Resources	** Pass (%)	Pass(%)	% All Up	Pass (%)	%All Up
GAVO DC	58	44	75.86	57	0.00	99.70	99.60	98.10	94.80
GRAAL-VO	1	0	0.00	1	0.00	99.60	99.60	97.80	97.80
HEASARC	945	785	83.06	928	99.67	99.20	96.80	99.30	98.00
HESIOD	3	2	66.70	3	0.00	99.70	99.70	98.40	97.50
Harvard ADS	1	1	100.00	1	100.00	96.20	96.20	95.80	95.80
Harvard CXC	8	7	87.50	5	60.00	99.60	99.70	99.50	99.50
Heidelberg	3	1	33.30	3	66.66	99.90	99.90	99.90	99.90
Helio Registry	3	0	0.00	2	100.00	99.30	99.30	99.40	99.40
Helio Registry Mirror	2	0	0.00	1	100.00				
IA2 Inaf	36	27	75.00	36	0.00	97.20	86.50	97.80	91.20
IAP VOPDC	1	1	100.00	1	100.00				
IDOC	2	0	0.00	2	0.00	99.10	99.10	82.90	82.90
INAF	0	0	0.00	0	0.00	97.50	88.00	97.80	91.20
IRSA	397	5	1.25	396	100.00	99.40	97.80	99.50	98.60
ISON	1	0	0.00	1	0.00				
IVOA NET	2	0	0.00	2	100.00	99.60	99.60	99.80	99.80
JVO	29	3	10.34	21	0.00	99.60	99.50	99.80	99.70
MAGIC	1	0	0.00	1	0.00	21.10	21.10	62.30	62.40
MAST	47	11	23.40	47	89.36	98.40	98.10	99.00	98.20
MAST II	3	2	66.70	3	0.00				

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	Total # of Services	Pass	Pass (%)	Total # of Resources	** Pass (%)	Pass(%)	% All Up	Pass (%)	%All Up
MSSL	3	0	0.00	3	100.00				
NAO	3	3	100.00	3	66.66	97.00	97.00	97.40	97.40
NCI	3	0	0.00	3	0.00	97.80	95.70	98.50	97.10
NEA	1	0	0.00	1	0.00				
NED	4	0	0.00	4	0.00	99.30	98.30	99.50	99.00
NOVA	6	3	50.00	5	0.00	91.80	91.70	88.70	88.60
NRAO	1	0	0.00	1	0.00	99.60	99.60	99.80	99.70
OV-GSO	1	0	0.00	1	100.00	99.80	99.80	95.50	93.50
Obs Haute Provence	1	0	0.00	1	100.00	98.40	97.10	98.60	97.60
Obs Lyon	2	0	0.00	2	100.00	97.40	97.40	98.00	97.60
ROE Astrogrid	223	0	0.00	55	76.36	97.50	92.70	95.90	91.60
SDSS	24	0	0.00	24	100.00	98.00	91.80	98.10	93.50
STScI Opo	1	0	0.00	1	100.00				
STScI Registry	41	27	65.85	38	78.94				
SVO CAB	39	8	20.51	39	69.23	96.50	94.00	98.00	96.80
SVO IFCA	1	0	0.00	1	100.00				
StarDB	1	0	0.00	1	0.00	99.90	99.90	99.70	99.70
Swinburne	1	0	0.00	1	0.00	99.90	99.90	99.90	99.90
TBL Narval	1	0	0.00	1	0.00	99.80	99.80	95.20	93.30
USNO	3	3	100.00	3	100.00	77.00	77.00	65.60	65.60
VO Paris	25	15	60.00	24	100.00	97.30	94.80	97.30	95.10
VOPDC	2	1	50.00	1	100.00				
XAOVO	6	2	33.30	5	0.00	98.90	98.90	99.10	99.10
XCAT	10	0	0.00	10	40.00	98.90	98.90	99.40	99.40

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