e-Callisto Instrument status

Version 8.9, 2024-03-26

Country	Location	Latitude N+0	Longitude E+0	Institution/University RA = radio amateur	Contact email	ITU Region	CRAF Member	Instruments delivered	Sent data afew files	Send data regularly	Instrument ID	Antenna	Frequency coverage
Algeria				Mahfi Cherub		1	0	1	1	0	NA038	?	
Alberta	Bowmanbre	36.75	3.04	CRAAG,Alanes		1	0	1	1	1	NA107, FC=59	LPDA CLP-5130	45-870 MHz
Australia	Warrnambool	-34.665	139.639	ASSA	Blair Leide, Peter Gray' ASSA	3	0	1	1	1	eCallisto, FC=59	?	
Australia	Victoria	-36.80400085	144.6750031	OMTO/JeiF	clinton.jeffreycarl@bigpond.com	3	0	1	1	1	eC23, NA005, FC=59	LPDA	45-870 MHz
Australia	Blair Athol/Adelaide			Blair Leide	blairl(at)bettanet.net.au	3	0	1	1	1	eC82, FC=60	LPDA+tracker	100-850 MHz
Australia	Peter Gray	-34.665	139.639	ASSA	peak.signals(at)iinet.net.au	3	0	1	1	0	eCallisto, FC=59	LWA	10-90 MHz
Australia	Blair Leide	-34.665	139.639	ASSA	blairl(at)bettanet.net.au	3	0	1	1	1	eC01, FC=01	LWA	10-90 MHz
Austria	Michelbach	48	15.39999962	BA Fritz Lerch	oe3flz(at)aon.at	1	0	1	1	1	One-self-built, eC51 from Karl-Heinz. FC=55/57	LPDA, 3-band dipole	20-80 MHz, 510-785 MHz
Austria	Michelbach	48	15.39999962	BA ANTARES	oe3flz(at)aon.at	1	0	1	1	1	Reevo kit NA024	LPDA	?
Austria	Graz	47.09999847	15.5	University	manuela.temmer(at)uni-graz.at	1	0	2	0	1	eC93, eC94, FC=01	crossed LPDA	45-81 MHz, 45-870 MHz
Austria	Krumbach	47.23000292	9.550000191	BA Paul Baumgartner	pbaumgartner@gmail.com	1	0	1	1	1	Kit extended by CESFELB, FC=10	bi-bidirther dirave	45-870 MHz
Austria	Krumbach	47.23000092	9.550000191	BA Paul Baumgartner	pbaumgartner@gmail.com	1	0	1	0	0	eC146	?	?
Belgium	Humain	50.1819602	5.253388197	ROB	christophe.marquez(at)oma.be	1	1	2	1	1	eC05, eC14	Dish 6m	45-435 MHz
Brazil	Cachoeira Paulista	-22.69	-45	INPE	christiano.vasconi@inpe.br	2	0	2	1	2	eC20, eC28	LPDA linear polarization V, H	45-870 MHz
Bulgaria	Rozhen	41.533	23.4333	NAO8	tsenev.boycho(at)gmail.com	1	0	1	0	0	eC83	LPDA	
China		25.109497	121.597305	NTUScience	yenchen(at)ntu.edu.tw	3	0	4	0	0	NA030, NA021, NA022, NA023	?	
Costa Rica	San Jose	10	-84	CINESPA	fschez(at)fisica.ucr.ac.cr	2	0	1	1	0	eC02	Dish ?	
Croatia	Visnjan	?	?	Znanstveno edukacijski centar Visnjan	tkorlevic(at)astro.hr	1	0	1	0	0	eC16x (refurbished)	?	?
Czech Republic	Ondrejov	49.7	14.3	OGRA	karel.jiricka(at)asu.cas.cz	1	1	1	1	0	eC19	Dish 7m	
Denmark	Copenhagen	55.8	12.5	DTU	soren(at)space.dtu.dk	1	0	1	1	1	NA038	LWA	10-105 MHz
Denmark	Copenhagen	55.8	12.5	DTU/ND1E	soren(at)space.dtu.dk	1	0	1	1	1	NA039	LWA	10-105 MHz
Denmark	Greenland	66.97000122	-50.95000076	DTU/ND1E	jorgreendland(at)gmail.com	1	0	1	0	1	eC88	LWA	10-105 MHz LHCP
Denmark	Greenland	66.97000122	-50.95000076	DTU/ND1E	jorgreendland(at)gmail.com	1	0	1	0	1	eC89	LWA	10-105 MHz RHCP
Egypt	Cairo	29.9	31.3	SWMC	HassanNour-Eldien(at)science.helwan.edu.eg	1	0	1	1	0	eC31, FC=01	LPDA	
Egypt	Alexandria	30.8	29.5	Egypt-Japan University of Science and Te	eyman.mahrous(at)ejust.edu.eg	1	0	2	1	1	eC125, eC126	LWA	10-82 MHz LHCP, RHCP
Egypt	Cairo	30.0533	31.233	Egypt Space Agency	amos_salloum(at)EGSA.GOV.EG	1	0	1	1	1	eC142 + LNA2800-4	LPDA	45-870 MHz
Ethiopia	Addis Ababa	9.005401	38.7636317	AU	ramudin.mekuria(at)gmail.com	1	0	1	0	0	eC02	LPDA	
Ethiopia	Mekelle	12.58000042	39.5	MU	tesfayphysics(at)gmail.com	1	0	1	1	0	CR-RBT (NA version) + LNA21	LPDA	45-870 MHz
Finland	Metsahovi	60.2	24.4	MRO	sun-metsahovi@aalto.fi	1	1	2	2	2	eC34, eC35	LPDA	45-870 MHz
Finland	Metsahovi	60.2	24.4	MRO	sun-metsahovi@aalto.fi	1	0	1	0	2	eC37, eC38, eC115	LWA linear N/S, E/W	5-120 MHz
Finland	Tuorla observatory	60.1	24.4	Juha Kallunki	juha.m.kallunki(at)gmail.com	1	0	1	0	1	eC77?	Cassine	10-80 MHz
France				JPCE/CNRS	cit	1	0	1	0	0	NA035	?	
Germany	Essen	51.39375883	6.979000092	RA Jochen/Neumann	dx3eia(at)arrl.de	1	0	1	0	0	FA	BICONE	20-80 MHz
Germany	Neustrelitz	53.36	13.07	DLR	Lutz.Hanneck(at)dlr.de	1	0	2	1	1	eC124, FC=01	LPDA	1000-1600 MHz
Germany	Neustrelitz	53.36	13.07	DLR	Lutz.Hanneck(at)dlr.de	1	0	14	1	1	eC151 - eC164	?	10 - 1600 MHz in diff. Bands
Germany	Hillesheim	52.15000153	6.960000038	BA Ewald Esser	hm.esser(at)arbeitskreis.de	1	0	1	1	0	eC98	?	?
India	Gauribidanur	13.6	77.5	GA	ramesh(at)rlaz.res.in	3	0	1	1	1	eC16, FC=59	LPDA	45-410 MHz
India	Nashik	20.00774956	73.77884674	AYHM	gayatrienar(at)yahoo.com	3	0	1	0	1	eC87, FC=59	LPDA	45-230 MHz
India	Ooty	11.38222218	76.66722197	NCRA- TIFR	manoj.nair(at)tcanet.com	3	0	2	2	2	eC59, eC11, FC=58/59	LPDA	45-445 MHz, 45-870 MHz
India	Pune IISERP	18.5	73.90000153	NCRA	sasikumarraja(at)tcanet.com	3	0	1	1	1	eC87, FC=01	LPDA	
India	Ahmedabad/Gujara	23.239	72.6186	Rajmal Jain	rajmal_9(at)yahoo.com	3	0	1	1	1	eC93	?	
India	Sanali/Maharashtra	16.8	74.12	RWC	sheth@2002(at)yahoo.co.in	3	0	1	1	0	eC40	?	
India	Udaipur	24.59000015	73.70999908	PRL	dhawan(at)prl.res.in	3	0	1	1	1	eC104 + e-LNA04, FC=01	LPDA	45-870 MHz
India	Kodaikanal Solar Observatory	10.27	77.45	IIA, IISO	karthi(at)iiap.res.in	3	0	2	1	0	eC100, eC101	LPDA-array LHCP, RHCP	45-172 MHz
Indonesia	Tomohon	-6.911600113	107.8376999	LAPAN	timbul.manik(at)lapan.go.id	3	0	1	1	0	eC50, FC=01	LPDA	45-405 MHz
Indonesia	Sumedang	-1.175799956	136.1013047	LAPAN	timbul.manik(at)lapan.go.id	3	0	1	1	1	FC=58	LPDA	45-82 MHz
Indonesia	Biak	1.54098999	124.9227719	LAPAN	timbul.manik(at)lapan.go.id	3	0	1	1	0	FC=60	LPDA	
Indonesia	Bandung			TelkomUniversity	radiatenar(at)telkomuniversity.ac.id	3	0	1	0	0	eC99	?	?
Indonesia	Bosscha Observatory	?	?	ITB	?	3	0	2	0	0	eC137, eC138	?	?
Indonesia	?	?	?	?	?	3	0	2	1	0	eC170, eC171	?	?
Ireland	Birr	53.09	7.92	TCD	PRZOLSLB'Vlatlinod.ie	1	1	5	5	1	eC81, eC84, eC82, eC86	LPDA, Bicone, Inverted-V	15-105 MHz
Italy	Turin	44.4	8.499999	RA Fabrizio Francione	francione2f(at)hotmail.it	1	0	1	0	0	eC53	LPDA	
Italy	Trieste	45.63000107	13.875	INAF	massetat(at)oats.inaf.it	1	0	3	2	1	eC52, eC58, eC60, FC=57/59/??	LPDA	45-81 MHz, 230-425 MHz
Japan	Ibaraki Prefecture	36.40000153	140.3999939	Ibaraki University	satoshi.nozawa_ExDoc.ibaraki.ac.jp	3	0	1	1	1	eC78	LPDA	100-870 MHz
Japan				NTT- Hosei U	cit	3	0	4	0	0	NA010, NA011, NA038, NA037	?	?
Japan	Ibaraki Prefecture	36.40000153	140.3999939	Ibaraki University	satoshi.nozawa_ExDoc.ibaraki.ac.jp	3	0	1	0	0	eC119	?	?
Kazakhstan	Almaty	43.02999878	76.18000183	TLAO	seryak40(at)mail.ru	1	0	2	2	2	eC38, eC77, FC=58/59	LPDA	45-105 MHz, 175-870 MHz
Kenya	Nairobi	1.2	36.8	UON	kadokfarhan@uon.ac.ke	1	0	1	1	0	eC49	LPDA	
Malaysia	Banting	2.78339992	101.5080037	ANGKASA	zuraini23(at)gmail.com	3	0	9	1	0	eC54, eC55, eC72, eC73, eC80, eC82, eC83, eC79, eC80	LPDA	45-870 MHz
Malaysia	Angkasa Selangor	?	?	ANGKASA	?	3	0	1	0	0	eC130	?	?
Malaysia	?	?	?	?	?	3	0	2	0	0	eC147, eC148	?	?
Mauritius	Poste de Flacq	-20.14389038	57.72282001	MRT	pbibi@uom.ac.mu	1	0	3	1	1	eC15, eC39, eC40, FC=01/02	LPDA	45-955MHz, 45-870 MHz
Mexico	Mexico	19.1234	-99.1234	UNAM	daniel.a@geofisica.unam.mx	2	0	2	1	1	eC00, NA130	LPDA	45-870 MHz
Mexico	Mexico	19.47999954	-101.4100037	MEXART	ulises(at)atlanfisica.unam.mx	2	0	2	0	1	NA019, NA014, FC=59	LPDA	45-225 MHz
Mexico	Mexico	19.47999954	-101.4100037	MEXART	ernesto(at)geofisica.unam.mx	2	0	2	0	1	NA109 as of 2020-01-16, NA-115	LWA	?
Mexico	Mexico	19.47999954	-101.4100037	LANCE	ernesto(at)geofisica.unam.mx	2	0	1	1	0	NA-118 as of 2022-06-24	LWA	?
Mexico	Mexico	19.47999954	-101.4100037	Instituto de Geofisica	ernesto(at)geofisica.unam.mx	2	0	3	0	0	NA109, NA130 and NA131	?	?
Mexico	Tijesani	25.45	-100.28	MEXICO-FCFM-UANL	esmeralda.romero(at)uanl.edu.mx	2	0	1	1	1	NA049 (31-AUG-2012) 29.06.2023	LPDA	45-225 MHz
Nepal	Pokhara	28.29999924	83.90000153	Prithvi Narayan Campus	sumargai@pncampus.edu.np	3	0	1	0	0	eC105 + e-LNA05	LPDA	45-870 MHz
Mongolia	Ulaan Baatar	47.85	107.05	RCAG	d.munkhmandal(at)yahoo.com	3	0	1	1	1	eC17, FC=01	LPDA	45-870 MHz
Mongolia	Gobi Desert	43.57	104.43	RCAG	d.munkhmandal(at)yahoo.com	3	0	1	1	0	eC43	LPDA	45-870 MHz
New Zealand	Auckland	-36.43500137	174.6629948	WARKWITH	tim_ralston(at)ajsat.ac.nz	3	0	1	0	0	eC95, FC=59	LPDA	100-870 MHz
Norway	Nordaleng	56.84999847	5.599999905	Norwegian Space Centre	knut.Stanley.Jacobsen(at)Kartverket.no	1	0	1	1	1	eC96 (bw=2.4 MHz), FC=01	LPDA 8 dB	1000-1600 MHz
Norway	Aalesund	78.93000031	11.86999989	Norwegian Space Centre	knut.Stanley.Jacobsen(at)Kartverket.no	1	0	1	1	1	eC97 (bw=2.4 MHz), FC=01	LPDA 8 dB	1000-1600 MHz
Norway	Eiersund	58.41099	5.9699	SAIBCS	cluxx(at)altavista.no	1	0	1	1	1	eC09x	12FD: Inverted-V, BowTie	16-80 MHz
Pakistan	Karachi	25	67	SUPARCO	muneezawais@yahoo.com	3	0	2	1	0	NA030, NA031	LPDA	?
Paraguay	Asuncion	-25.295	-57.65	UNAM	dcisidor(at)ing.una.py	2	0	1	1	1	eC12x	LPDA	45-105 MHz
Peru	Lima	-12.51	-76.788	ISTAEM	oduar1(at)gmail.com	2	0	2	2	1	NA006, NA018	LPDA	?
Poland	Gorelki	51.8882	19.3114	RA Alex Mrvcsko	corcoke(at)yhoo.ethz.ch	1	0	1	1	0	eC22	16xYI: 20-10m, 7.8m	1-33 MHz
Puerto Rico	Arecibo	18.3	-66.75	AO	Alexandra.Abelfaz(at)aol.edu	2	0	2	2	1	eC131, eC131 + 2 x up-converter, LO=750 MHz	LWA	5-125 MHz
Romania	Bucharest			ASRA	olaiacel@ira.astro.ro	1	0	1	0	0	eC114	?	?
Russian Federation	Badary/Siberia	51.75	102.2166977	SUST	sutrov@sustinf.ismail.com	1	0	1	1	0	eC45	LPDA	45-440 MHz
Rwanda	Kigali	-2	30	UCM	mahoro@ucm(at)gmail.com	1	0	1	1	0	eC74	LPDA + e-LNA08	45-430 MHz
Slovakia	Hurbanovo	47.90000153	18.20000076	SOV	kurnik95(at)email.cz	1	0	1	1	1	eC50, FC=59	LPDA	45-200 MHz
Slovakia	Rozniak	48.5	21.5	RA Daniel Bakulansky	bakulan(at)azet.sk	1	0	1	1	0	eC08	LPDA	45-870 MHz
South Africa	Sutherland	-32.36999893	20.79999924	SANSA	sweid(at)sansa.org.za	1	0	1	1	1	eC75, FC=01	LPDA	45-870 MHz
South Africa				DUT	cit	1	0	1	0	0	NA036	LPDA	?
South Africa	Potchefstroom			NWU	dolph.strauss(at)gmail.com	1	0	1	0	0	eC121, eC122, eC123	?	?
South Korea	Daejeon	36.40000153	127.4000015	KASI	kushal(at)kasi.re.kr	3	0	2	1	1	eC07, eC08, FC=59	LPDA tracking 3un but no LNA!!!	45-448.3 MHz
Spain	Cartagena	37.61	-0.99	IACC	ignat.esmeral(at)upct.es	1	0	2	0	0	eC36, eC87	55 cm dish	10.6 - 11.2 GHz
Spain	Peralejos	40.58	-1.9199	UAH	Pedro Matero Manuel <manuel.prieto(at)uah.es>	1	0	2	2	2	eC57, NA032, FC=01/03	LWA	15-90 MHz
Spain	Alcala de Henares	40.51	-3.38	UAH	Pedro Matero Manuel <manuel.prieto(at)uah.es>	1	0	1	1	1	eC88, FC=01	M2 Yagi 436CP42UG, 2M-CP22	45-870 MHz
Spain	Vigolanis	41.066	-2.541	AAVL/UAH	buitrema(at)unex.es	1	0	1	1	1	eC70, FC=01	LPDA	45-870 MHz
Spain	?	?	?	Alcala	manuel.prieto(at)uah.es	1	0	1	0	0	eC149	?	?
Sri Lanka	Katubedda, Moratuw	7.9	80	Arthur C Clarke Institute	asiancivilcat(at)gmail.com	3	0	3	1	0	eC08, eC12, eC13	LPDA	45-450 MHz
Switzerland	Bleien	47.33990097	8.111599922	ETHZ	monstein(at)astro.phys.ethz.ch	1	1	4	2	0	eC05, eC21, FC=01/02, eC134, eC135 FC=01/04	Dish 5m, Dish 7m	470-770 MHz, HIRAX
Switzerland	Landschlacht	47.63000107	9.239997771	RA HB9CCT	monstein(at)astro.phys.ethz.ch	1	0	2	2	2	eC21, eC26,FC=01/02	LWA	10-80 MHz
Switzerland	Heiterbach	47.20310048	8.753099823	RA HB9CCT	monstein(at)astro.phys.ethz.ch	1	0	3	2	2	eC04, eC56, eC58, FC=01/02	BICONE, LPDA	300-1650 MHz, 150-870 MHz
Switzerland	Muhen	47.32833099	8.059169769	RA Peter Hirt	pemmethesa23(at)bluewin.ch	1	0	3	2	2	eC002, eC103, eC85	LWA LHCP and RHCP	15-90 MHz
Switzerland	Zurich	?	47.2	ETHZ	monstein(at)astro.phys.ethz.ch	1	0	1	0	0	eC31	Dish 5m	1401-1480 MHz
Switzerland	Heiterswil	47.29999924	9.130000114	Erich Wirthel	Christian.Bircher(at)bluewin.ch	1	0	1	0	1	eC71	Dish 3m	15-83 MHz
Switzerland	Locarno Monti	46.17701194	8.786887706	IRSOL	lbianda(at)irsol.ch	1	0	1	1	1	eC76, FC=01	LPDA	45-80 MHz
Switzerland	Locarno Monti	46	8.7	Swiss Meteo	Mauro.Gabella(at)meteoswiss.ch	1	0	2	0	0	eC168, FC=01	55 cm dish	10.6 - 11.2 GHz
Switzerland	St. Gnds	?	?	Jugendarbeit	gandus(at)phys.ethz.ch	1	0	1	0	0	eC135	2E04	?
Taiwan		25.105497	121.597366	Huang, NCU-ISS	d94900114(at)g4.astro.ncu.edu.tw	3	0	1	1	0	NA010	?	?
Taiwan		25.105497	121.597366	Wave Fidelity		3	0	2	1	0	NA105, NA106	?	?
Taiwan	Taoyuan City 320	25.105497	121.597366	National Central University	shyang(at)jupiter.ss.ncu.edu.tw	3	0	1	0	0	NA109, TMA015	?	?
Thailand				Ubon-U	cit	3	0	1	0	0	NA025	?	?
Thailand	Banelok	13.736717	100.523186	Rasmansala university	soravassorn.mt(at)mail.rmutk.ac.th	3	0	2	1	0	eC82, eC83 both refurbished	TBD	TBD
Thailand	Bangkok	13.736717	100.523186	Rasmansala university	prayoonpoo.mt(at)mail.rmutk.ac.th	3	0	2	0	0	eC116, eC117	TBD	TBD
Thailand	Chiang Mai			National Astronomical Research Institute	sphyat(at)gmail.com	3	0	1	0	0	NA045	?	?
Turkey				Osmaf	TUNA(at)sky.k12.tr	1	0	1	0	0	NA015	?	?
Turkey	Erenum	39.78	41.225	Istanbul University Observatory Instrud	serhanyazici@istanbul.edu.tr	1	0	1	1	1	NA119	CLP5130-1N	45-105 MHz
Ukraine	Cmyhenropol	44.40000153	39	KRIM	a_volvach(at)gmail.com	1	0	1	1	1	eC44	16 Yagi-Amsy	250-350 MHz
United Kingdom	Gleacrew	55.90000153	-4.300000191	UCG	a.mackinnon(at)astac.ets.ac.uk	1	0	1	1	1	eC51, FC=59	LPDA	45-81 MHz
United Kingdom				RA Paul Hyde	ph(at)alphaobs.co.uk	1	0	1	1	0	NA003	?	
United Kingdom				RA David Jones	cit	1	0	1	0	0	NA017	?	
United Kingdom	Cambridge	52.2053	0.1218	RA Harry Smith	H.Smith(at)cbastateassociate.org	1	0	1	0	0	eC90	?	?
Uruguay	Montevideo	-34.90000153	-56.20000076	CAUM	jandres(at)fisalm.edu.uy	2	0	1	0	1	eC81	LPDA	45-870 MHz
Uruguay	Minas de Corrales			BINGO team	mpsantos(at)adinet.com.uy	2	0	1	0	0	eC92	LPDA	?
USA	Anchorage	61.19629886	149.9564972	RA Whitham Reeve	ja4reeve(at)tcanet.com	2	0	3	1	1	NA001, NA002, NA008, FC=59	LPDA, LWA	215-420 MHz
USA	Arizona	34.62	-112.45	Ramon Fobes ESXU	FOBES@cableone.net	2	0	1	1	0	NA029	Stellar Labs 30-2476 9-element VHF yagi	150-343 MHz
USA	Baxter	40.81	-71.45	Baxter College	TBD	2	0	4	1	0	eC152, eC153, eC158 and eC161	LPDA and LWA	50 MHz - 1600 MHz
USA	Hawaii	21.28	-157.9	WH6DNU	cit	2	0	3	2	2	eC29	?	?
USA	Hawaii	21.28	-157.9	University	dbrissaht@hawaii.edu	2	0	1	0	0	NA009	?	?
USA	Maryland	39.045752	-76.661274	Don Williams, OSI	cit	2	0	1	0	0	NA004	?	?
USA	Greenbelt	TBD	TBD	NASA GSFC	nerissha.shuk.e(at)nasa.gov	2	0	1	0	0	NA128	84 cm dish X-/Ku-band	10.6 GHz -11.2 GHz
USA	Rochester	42.39	-77.5	Martin Pawa KR0C	mwallin4(at)rit.edu, mlawallin(at)gmail.com	2	0	1	0	0	NA013, NA033	?	?
USA	New York	40.785091	-73.968285	David Fedewicz	idrobin(at)rit.edu	2	0	2	0	0	NA103, NA104	?	?
USA	Roswell/NM	33.44385	-104.53128	RA Stan Nelson	stanleyhnelson@hotmail.com	2	0	3	1	1	NA014, NA027, NA033	LPDA vertical/sun track, LWA, RHCP, Yaeni vertical ar	20-80 MHz, 90-305 MHz
USA	Texas	31.958599	-112.45	RA Martin Chervik	panc.asm(at)email.com	2	0	1	0	0	NA040	?	?
USA	Tennessee			RA Chuck Higgins	Chuck-Higgins(at)mtsu.edu	2	0	2	0	0	NA041, NA042	?	?
USA	Tahoe	60.36999893	-151.3300073	RA Whitham Reeve	ja4reeve(at)tcanet.com	2	0	3	2	2	NA044, NA044, FC=00/01	LWA circular polarization	45-93 MHz
USA	HAARP	62.40000153	-145.1499982	RA Whitham Reeve	ja4reeve(at)tcanet.com	2	0	2	1	0	NA111, NA122	LWA	10-82 MHz, BW=80 MHz
USA	Michigan			University of Michigan	Alex.Higashio	2	0	2	0	0	NA136, NA137	LWA	?
USA	Michiean			University of Michiean	?	2	0	6	0	0	NA122, NA123, NA124, NA125, NA126, NA127	LWA	?
USA	Flagstaff- Arizona			US Naval Research Lab (NRL)	?	2	0	2	0	0	NA132, NA133	LWA + LPC-5301-M + LWAPC-O	?
USA	Solar eclipse locations	transportable	transportable	NASA GSFC	nerissha.shuk.gopalswamy-1(at)nasa.gov	2	0	1	0	0	NA138	65 cm dish	10.6 - 11.2 GHz

Totals: 7 233 103 76

Red highlighted text: Observation stopped or interrupted or not yet started

Green highlighted text: provide currently data to the e-Callisto archive. Update rate ~1 month.