

Country	Location	University	Contact	ITU Region	CRAF Member	Instruments delivered	Sent data a few files	Sent data regularly	Instrument ID	Antenna	Frequency coverage
Algeria	not sure	Martin Cherub	snaitamor(at)yahoo.com	1	0	1	0	0	NA038	?	
Algeria	not sure	Martin Cherub	snaitamor(at)yahoo.com	1	0	1	0	0	NA???	?	
Australia	Perth	Michlmayr	hmichlmayr(at)bigpond.com	3	0	1	1	0	eC24	LPDA	
Australia	Victoria	LMRO/Jeff	clinton.jeffrey(at)bigpond.com	3	0	1	1	1	eC23, NA005	LPDA	45-890 MHz
Australia	Blair Athol/Adelaide	Blair Lade	blairl(at)betanet.net.au	3	0	1	0	0	eC82	?	
Austria	Michelbach	Lensch	oe3fb(at)lgmx.at	1	0	1	1	1	self built, eC51 from Karl-Heinz	LPDA, 3-band dipole	20-80 MHz, 510-785 MHz
Austria	Michelbach	ANTARES	oe3fb(at)lgmx.at	1	0	1	1	1	NA024	LPDA	
Austria	Graz	University	manuela.temmer(at)uni-graz.at	1	0	2	0	0	cC93, eC94	crossed LPDA	45-81 MHz, 45-890 MHz
Belgium	Humain	ROB	christophe.marque(at)oma.be	1	1	2	1	1	eC09, eC14	Dish 6m	45-435 MHz
Brazil	Sao Jose dos Campos	INPE	bymebe(at)gmail.com	2	0	2	2	0	eC20, eC28	LPDA	45-890 MHz
Bulgaria	Rozhen	NAOB	kamen.kozarev(at)gmail.com	1	0	1	0	0	eC83	LPDA	
China		SDScience	yaochen(at)sdu.edu.cn	3	0	4	0	0	NA020, NA021, NA022, NA023	?	
Costa Rica	San Jose	CINESPA	frutos(at)fsica.ucr.ac.cr	2	0	1	1	0	eC02	Dish ?	
Czech Republic	Ondrejov	OSRA	karel.jiricka(at)asu.cas.cz	1	1	1	1	1	eC13	Dish 7m	
Denmark	Copenhagen	DTU	kleer(at)space.dtu.dk	1	0	1	1	1	NA028	LWA	
Denmark	Copenhagen	DTU/NSIE	kleer(at)space.dtu.dk	1	0	1	1	1	NA039	LWA	10-105 MHz
Denmark	Greenland	DTU/NSIE	kleer(at)space.dtu.dk	1	0	1	0	1	eC88	LWA	
Denmark	Greenland	DTU/NSIE	kleer(at)space.dtu.dk	1	0	1	0	1	eC89	LWA	
Egypt	Cairo	SWMC	ayman.mahrous(at)gmail.com	1	0	1	1	0	eC31	LPDA	
Ethiopia	Addis Ababa	CNS	legesewk(at)gmail.com	1	0	1	0	0	eC03	LPDA	
Ethiopia	Mekelle	CNCS	ggabraham(at)yahoo.com.hk	1	0	1	1	0	CR-RBT (NA-version) + LNA21	LPDA	45-890 MHz
Finland	Metsähovi	MRO	juha.kallunki(at)aalto.fi	1	1	2	2	2	eC34, eC35	LPDA	45-890 MHz
Finland	Metsähovi	MRO	juha.kallunki(at)aalto.fi	1	1	2	0	0	eC97, eC98	LWA	5-120 MHz
France		LPCE/CNRS	nil	1	0	1	0	0	NA035	?	
Germany	Essen	Plessmann	do1pa(at)lgmx.de	1	0	1	1	1	FA	BICONE	20-80 MHz
Germany	Hammminkeln	DRAO/Karl-Heinz	Karl-Heinz.Gansel(at)t-online.de	1	0	2	2	2	NA007	LPDA	
Germany	Heidelberg	ERAC	eucara(at)jastropeiler.de	1	0	1	0	0	eC27	?	
Germany	Hildesheim	HIGA	Fml.espey(at)kabelmail.de	1	0	1	0	0	eC98	?	
India	Gauribidanur	IIA	khariharan(at)iiap.res.in	3	0	1	1	0	eC16	LPDA	45-410 MHz
India	Nashik	KTHM	pswamane(at)yahoo.com	3	0	1	0	0	eC67	?	
India	Ooty	NCRA-TIFR	mano.rac(at)gmail.com	3	0	2	2	2	eC10, eC11	LPDA	45-445 MHz, 45-890 MHz
India	Pune	NCRA	sasikumarraja(at)gmail.com	3	0	1	1	1	eC47	LPDA	
India	Ahmedabad/Gujara	Rajmal Jain	rajmal_9(at)yahoo.com	3	0	1	1	1	eC91	?	
India	Sangli/Maharashtra	KWC	shettidj2002(at)yahoo.co.in	3	0	1	1	0	eC46	?	
Indonesia	Bandung	LAPAN	timbul.manik(at)lapan.go.id	3	0	1	1	1	eC59	LPDA	45-405 MHz
Indonesia	Sumedang	LAPAN	timbul.manik(at)lapan.go.id	3	0	1	1	1	1???	LPDA	
Indonesia	Biak	LAPAN	timbul.manik(at)lapan.go.id	3	0	1	1	1	1???	LPDA	
Indonesia	Bandung	TelkomUniversity	radialanwar(at)ass.telkomuniversity.ac.id	3	0	1	0	0	eC99	?	
Ireland	Birr	TCD	Peter.Gallagher(at)tcd.ie	1	1	5	5	5	eC63, eC64, eC32, eC36	LPDA, Bicone, Inverted-V	
Italy	Turin		francione27(at)hotmail.it	1	1	1	0	0	eC53	LPDA	
Italy	Trieste	INAF	marassi(at)oats.inaf.it	1	0	3	2	2	eC52, eC58, eC60	LPDA	45-81 MHz, 220-425 MHz
Japan	Ibaraki Prefecture	Ibaraki University	satoshi.nozawa.(at)vc.ibaraki.ac.jp	3	0	1	0	0	eC78	LPDA	
Japan		ATI, Hosei U	nil	3	0	4	0	0	NA010, NA011, NA036, NA037	?	
Kazakhstan	Almaty	TSAO	artyak40(at)mail.ru	1	0	2	2	2	eC38, eC77	LPDA	45-165 MHz, 175-890 MHz
Kenya	Nairobi	UON	kaduki(at)uonbi.ac.ke	1	0	1	1	0	eC49	LPDA	
Malaysia	Banting	ANGKASA	asnor23(at)gmail.com	3	0	9	1	1	eC54, eC55, eC72, eC73, eC30, eC42, eC43, eC79, eC80	LPDA	45-890 MHz
Mauritius	Poste de Flacq	MRT	gkb(at)uom.ac.mu	1	0	3	3	3	eC15, eC39, eC40,	LPDA	45-455MHz, 45-890 MHz
Mexico	Mexico	UNAM	alara(at)geofisica.unam.mx	2	0	1	1	1	eC06,	LPDA	45-890 MHz
Mexico		MEXART	vdelaluz(at)geofisica.unam.mx	2	0	2	0	0	NA019, NA034	LPDA	45-225 MHz
Mongolia	Ulaan Baatar	RCAG	batmunkh(at)jiag.ac.mn	1	0	2	2	1	eC17, eC41,	LPDA	45-890 MHz
New Zealand	Auckland	WARKWRTH	stuart.weston(at)aut.ac.nz	3	0	1	0	0	eC95	(TBD)	
Norway	Oslo	Norwegian Space Ce	paal.brekke(at)spacecentre.no	1	0	1	0	0	eC96	LPDA	
Norway	Oslo	Norwegian Space Ce	paal.brekke(at)spacecentre.no	1	0	1	0	0	eC97	LPDA	
Pakistan	Karachi	SUPARCO	muneezamali(at)gmail.com	3	0	2	1	0	NA030, NA031	LPDA	
Peru	Lima	CONIDA	jabarg1(at)gmail.com	2	0	2	2	0	NA006, Na018	LPDA	
Russian Federation	Badary/Siberia	SSRT	svlesovoi(at)gmail.com	1	0	1	1	1	eC45	LPDA	45-440 MHz
Rwanda	Kigali	UOR	mahorojpacis(at)gmail.com	1	0	1	1	1	eC74	LPDA	45-81 MHz
Slovakia	Hurbanovo	SCO	ivand96(at)gmail.com	1	0	1	1	1	eC50	LPDA	45-200 MHz
Slovakia	Roztoky	Baludansky	bdaniel(at)post.sk	1	0	1	1	1	eC66	LPDA	
South Africa	Hermanus	SANSA	jward(at)sansa.org.za	1	0	1	1	0	eC75	LPDA	
South Africa		DUT	nil	1	0	1	0	0	NA026	LPDA	
South Korea	Daejeon	KASI	kscho(at)kasi.re.kr	3	0	2	1	1	eC07, eC08,	LPDA	45-445 MHz
Spain	Cartagena	UOC	josel.gomez(at)upct.es	1	0	2	0	0	eC86, eC87	?	
Spain	Peralejos	ALCALA	andres.russu(at)edu.uah.es	1	0	3	3	3	eC57, eC68, NA032	LPDA	45-890 MHz
Sri Lanka	Katubedda	ACCI	adassuriya(at)gmail.com	3	0	1	1	1	eC48	LPDA	
Switzerland	Bleien/Zurich	ETHZ	monstein(at)astro.phys.ethz.ch	1	1	10	8	8	eC01, eC05, eC12, eC21, eC25, eC37, eC04, tbd	2 x Dish 5m, LWA	7-77 MHz, 1045-1435 MHz
Switzerland	Wattwil	Kanti	urheeb(at)bluwin.ch	1	0	1	1	1	eC71	LWA	
Switzerland	Heiterswil	Kanti	pascal95_keller(at)hotmail.com	1	0	1	0	0	eC85	LWA	45-81 MHz
Taiwan		Huang, NCU-ISS	d949001(at)gm.astro.ncu.edu.tw	3	0	1	1	0	NA016	?	
Thailand		Ubon-U	nil	3	0	1	0	0	NA025	?	
Thailand	Chiang Mai	National Astronomic	nphylii(at)gmail.com	3	0	1	0	0	NA045	?	
Turkey	Ounal	Ounal	OUNAL(at)aci.k12.tr	1	0	1	0	0	NA015	?	
Ukraine	Simpferopol	KRIM	yurovyf(at)yandex.ru	1	0	1	1	1	eC44	16 Yagi-Array	250-350 MHz
United Kingdom	Glasgow	UOG	a.mackinnon(at)educ.gla.ac.uk	1	0	1	1	1	eC61	LPDA	45-81 MHz
United Kingdom		Paul Hyde	g4csd(at)yahoo.co.uk	1	0	1	0	0	NA003	?	
United Kingdom		David James	nil	1	0	1	0	0	NA017	?	
United Kingdom	Cambridge	Harry Smith	H.Smith(at)skatelescope.org	1	1	1	0	0	eC90	?	
Uruguay	Montevideo	OALM	sroland(at)joalm.gub.uy	2	0	1	0	0	eC81	LPDA	45-890 MHz
Uruguay	Minas de Corrales	BINGO team	manuelcaldas(at)hotmail.com	2	0	1	0	0	eC92	LPDA	
USA	Anchorage	Reeve	whitreeve(at)gmail.com	2	0	3	1	1	NA001, NA002, NA008	LPDA, LWA	215-420 MHz
USA	Arizona	Fobes	nil	2	0	1	0	0	NA029	?	
USA	Hawaii	WH6DNU	nil	2	0	3	1	0	eC29	?	
USA	Hawaii	University	jdorough(at)hawaii.edu	2	0	1	0	0	NA009	?	
USA	Maryland	Don Williams, OSI	nil	2	0	1	0	0	NA004	?	
USA	New York	Martin Pepe	mjpastro(at)jaoil.com	2	0	2	0	0	NA012, NA013	?	
USA	Roswell/NM	Nelson	stannelson(at)cableone.net	2	0	3	3	3	NA014, NA027, NA033	LPDA vertical+sun track, LWA circular, Yagi vertical	20-90 MHz, 90-305 MHz
USA	Texas	Martin Cherub	proc.pmm(at)gmail.com	2	0	1	0	0	NA040	?	
USA	Tennessee	Chuck Higgins	Chuck.Higgins(at)mtsu.edu	2	0	2	2	2	NA041, NA042	?	
USA	Cohoe	Whitham Reeve	whitreeve(at)gmail.com	2	0	2	2	2	NA043, NA044	LWA circular polarization	45-93 MHz

Totals: 8 145 78 64