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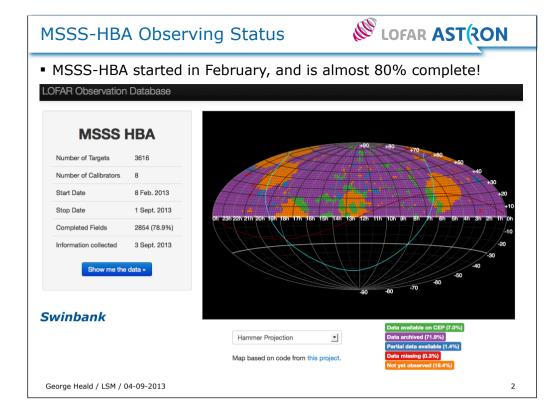
Netherlands Institute for Radio Astronomy

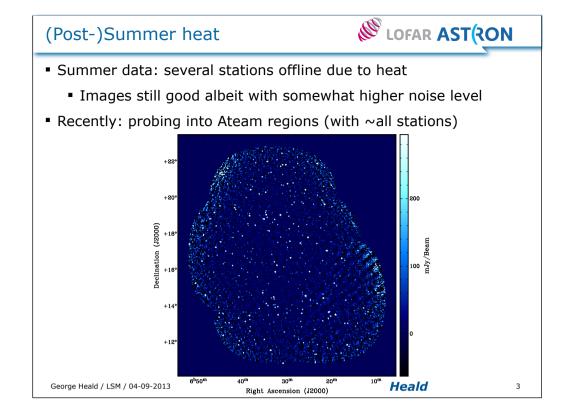
OFAR

LOFAR MSSS Multifrequency Snapshot Sky Survey

Update

George Heald (MSSS Project Leader) (on behalf of the MSSS Team) LSM, 4/9/2013





MSSS-W	eek 31/2013 HBA-demixing test	results	Mean noise	Band0 noise	Band1 noise	Band2 noise	Band3 noise	Band4 noise	Band5 noise	Band6 noise	Band7 noise
H288+31	Comment high noise, close to CygA	CasA CygA	before after 160,4 mJy 72,0 mJy	before after	before after						
H318+48	subjective image quality improved, one source high noise, close to CasA, CygA		n-demixed images 127,1 mJy 93,8 mJy	146 mJy 96 mJy	137 mJy 93 mJy	129 mJy 93 mJy	123 mJy 91 mJy	123 mJy 96 mJy	109 mJy 87 mJy	136 mJy 101 mJy	114 mJy 93 m
H344+12	subjective image quality improved high noise, away from CasA, CygA		168,9 mJy 167,2 mJy				162 mJy 178 mJy	157 mJy 169 mJy	191 mJy 194 mJy	123 mJy 105 mJy	141 mJy 108 m
H343+39	(UVmin=0.1) all bands are rather noisy, band high noise, close to CasA	20,4 deg 32,8 deg	% higher after demix, oth 205,6 mJy 191,4 mJy				210 mJy 196 mJy	215 mJy 200 mJy	199 mJy 187 mJy	214 mJy 201 mJy	151 mJy 140 m
1016+02	not much difference between demix and no o high noise, low dec, away from CasA, CygA	60,1 deg 78,2 deg	175,6 mJy 164,3 mJy	196 mJy 179 mJy	185 mJy 169 mJy	156 mJy 153 mJy	156 mJy 154 mJy	209 mJy 212 mJy	175 mJy 137 mJy	157 mJy 147 mJy	171 mJy 163 m
1109+46	(max need to demix: 5.1%, UVmin=0.1) sligt low noise, mid DEC	63,5 deg 92,7 deg	58,3 mJy 64,6 mJy	68 mJy 76 mJy	67 mJy 74 mJy	63 mJy 69 mJy	57 mJy 64 mJy	56 mJy 62 mJy	55 mJy 59 mJy	51 mJy 57 mJy	49 mJy 56 n
4191+77	(margnial need to demix max: 4.1%) not muc low noise, high DEC (demixed deep in all Deads) assessible idea	43,6 deg 54,5 deg	mix and no demix 38,9 mJy 38,6 mJy	51 mJy 51 mJy	49 mJy 47 mJy	48 mJy 47 mJy	39 mJy 39 mJy	36 mJy 36 mJy	31 mJy 31 mJy	30 mJy 30 mJy	26 mJy 26 n
1155+44	(demixing done in all Bands), essentially ider 90deg from CygA (marginal aged to demix mar; 2.1% in BAND	76,4 deg 89,6 deg	75,1 mJy 75,1 mJy	85 mJy 85 mJy	82 mJy 82 mJy	80 mJy 80 mJy	74 mJy 74 mJy	71 mJy 71 mJy	70 mJy 70 mJy	71 mJy 71 mJy	68 mJy 68 n
1137+27	(margnial need to demix max: 3.1% in BAND 90deg from CasA essentially identical	89,7 deg 110,4 deg	52,3 mJy 52,7 mJy	72 mJy 72 mJy	66 mJy 67 mJy	60 mJy 60 mJy	54 mJy 54 mJy	47 mJy 47 mJy	45 mJy 45 mJy	40 mJy 41 mJy	36 mJy 36 n
1048+44	essentially identical mid high noise, away-ish from CasA, CygA essentially identical	37,2 deg 73,5 deg	101,7 mJy 101,5 mJy	149 mJy 149 mJy	105 mJy 105 mJy	104 mJy 104 mJy	93 mJy 93 mJy	92 mJy 92 mJy	92 mJy 92 mJy	88 mJy 88 mJy	88 mJy 88 m
H167+22	essencery identical mid high noise, away from CasA, CygA (Band7, CygA: 14% ,contaminated*) essenti:		52,0 mJy 51,7 mJy	68 mJy 68 mJy	62 mJy 62 mJy	58 mJy 58 mJy	52 mJy 52 mJy	47 mJy 47 mJy	47 mJy 47 mJy	42 mJy 42 mJy	40 mJy 38 m
	nort summai	ry: der	nixing	provi	ides a	a sub:	stanti	ial im	prove	emen	t in

