ASX / MEDIA ANNOUNCEMENT 23/3/2023

FIREBIRD GROWS OAKOVER INDICATED RESOURCE BY 80% TO 105.8 MILLION TONNES

Highlights

- **80% uplift in Indicated Mineral Resource at flagship Oakover Project from 58.7 Mt to 105.8 Mt**
  - **33.9 Mt @ 9.7% Mn Indicated Resource at Karen deposit**
  - **13.1 Mt @ 9.7% Mn Indicated Resource at Jay Eye deposit**
- **Impressive Resource upgrade is a result of the 82 hole, 2,828m infill drill program at the Jay Eye and Karen deposits, completed in October 2022**
- **Significant intercepts from infill drill program continue to demonstrate the impressive geology of Oakover, highlighted by shallow near surface, thick mineralisation (***Refer to Appendix 3 for the full results)*
  - **FRB0278 – 28m @ 10.61% Mn from 2m**
  - **FRB0287 – 30m @ 10.67% Mn from Surface**
  - **FRB0301 – 24m @ 10.01% Mn from Surface**
  - **FRB0243 – 37m @ 10.27% Mn from 5m**
  - **FRB0266 – 21m @ 10.91% Mn from 7m**
- **Overall Oakover Mineral Resource increased from 172.3 Mt t to 176 Mt at 10% Mn**
- **Significant Resource growth upside through:**
  - **Sixty Sixer – mineralisation remains open to the northwest and southwest**
  - **Karen - mineralisation remains open to the northwest**
- **A Scoping Study was completed in July 2020 based solely on the Sixty Sixer deposit, which generated a 10-year Life-of-Mine, NPV of A$329M and EBITDA of $72.7M per annum, see Firebird's ASX announcement dated 20 July 2022**

Firebird Metals Limited (ASX: FRB, "Firebird" or "the Company") is pleased to announce a significant Resource upgrade at its flagship Oakover Manganese Project, which is located 85km East of Newman in the Eastern Pilbara region of Western Australia.

The Company has delivered an impressive 80% increase to the Oakover Indicated Resource, which has grown from 58.7 Mt to 105.8 Mt, using a 7% Mn cut off. The Resource upgrade is a result of the 82-hole 2,828m infill drilling program completed at the Jay Eye and Karen deposits in October 2022.

Additionally, the results have also grown the total Oakover Mineral Resource from 172.3Mt to 176.7Mt.

Commenting on the Resource growth at Oakover Firebird Managing Director Peter Allen said, *"This is another fantastic result for Firebird and our shareholders. We are focused on*

establishing Oakover as major Western Australian manganese operation and this significant milestone announced today is another step towards achieving our primary objective. De-risking the development pathway at Oakover through the addition of another 47 million tonnnes in an Indicated category from Jay-Eye and Karen places us in a strong development position moving forward and we look forward to continuing to progress our flagship Project throughout a busy 2023 and beyond.

"These results come off the back of the Scoping Study that we released last year on Oakover, which delivered strong economics based on a 10-year mine life. That Study did not include the Indicated Resources of Karen and Jay Eye and was produced solely off the Sixty Sixer deposit. The material assumptions and factors that underpin the results of the Scoping Study are set out in Firebird's announcement dated 20 July 2022.

"Strategically, we are developing Oakover at a time where demand for manganese within the lithium-ion battery sector continues to grow rapidly, as electric vehicle and battery cathode manufacturers have stated their desire to increase the amount of manganese within lithium-ion batteries, due to the cost benefits obtained whilst maintaining energy density."

Area	Mineral Resource Classification	Tonnes (Mt)	Mn (%)	Fe (%)	SiO2 (%)	Al2O3 (%)	P (%)
Sixty Sixer	Indicated	58.8	10.4	9.2	40.2	10.1	0.10
	Inferred	43.7	9.4	8.5	38.3	9.7	0.11
Sixty Sixer	**Sub-Total**	**102.5**	**10.0**	**8.9**	**39.4**	**9.9**	**0.11**
Jay Eye	Indicated	13.1	9.7	7.6	34.2	8.3	0.10
	Inferred	22.1	10.1	6.9	31.5	8.8	0.06
Jay-Eye	**Sub-Total**	**35.2**	**10.0**	**7.1**	**32.5**	**8.6**	**0.07**
Karen	Indicated	33.9	9.7	8.9	39.4	9.9	0.10
	Inferred	5.1	8.2	9.1	42.3	10.5	0.11
Karen	**Sub-Total**	**39.0**	**9.5**	**9.0**	**39.8**	**10.0**	**0.10**
Oakover	Indicated	105.8	10.1	8.9	39.2	9.8	0.10
Oakover	Inferred	70.9	9.6	8.0	36.5	9.5	0.09
Oakover	**Total**	**176.7**	**9.9**	**8.6**	**38.1**	**9.7**	**0.10**

Table 1: Updated Oakover Mineral Resource Estimate reported at a cut-off grade of 7% Mn

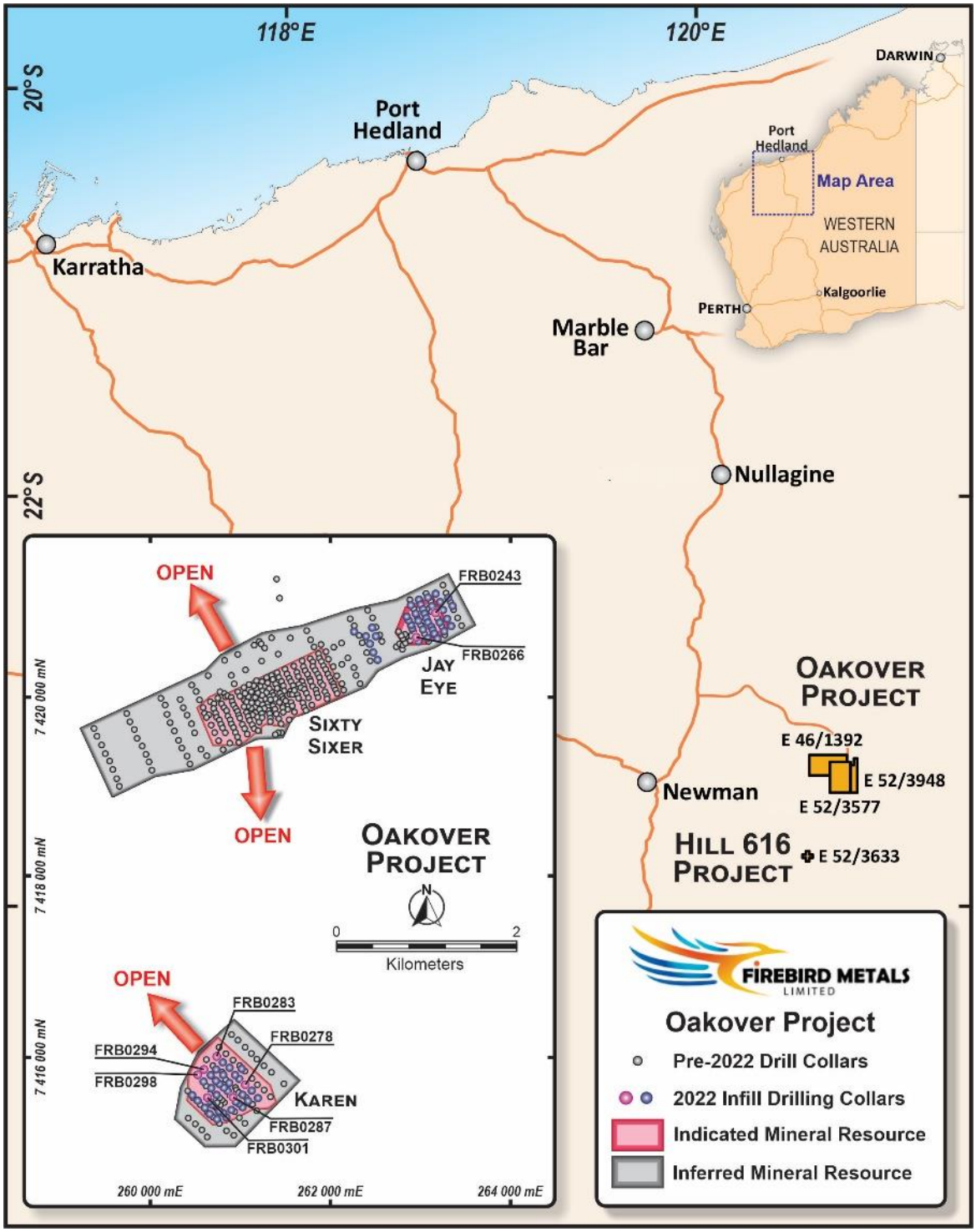

Figure 1: Oakover Project Mineral Resource

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Prospect	Hole_ID	Eating	Northing	RL	Max Depth	From	To	Length	Mn	Comments
Karen	FRB0298	260523.3	7415803	523.7	24	9	24	15	9.44	Holes confirm Karen remains open to the northwest, with significant intercepts in shallow drilling.
	including					9	12	3	12.04	
	FRB0294	260591.6	7415873	523.6	24	8	24	16	10.13	
	including					8	12	4	13.17	
	FRB0283	260732.2	7416016	508.83	24	3	21	18	10.34	
	including					13	20	7	12.04	
	FRB0278	261054.4	7415697	526.13	30	2	30	28	10.61	
	FRB0287	260911.8	7415554	517.53	30	0	25	25	10.67	
	FRB0301	260630.4	7415555	524.76	24	0	24	24	10.01	End in Mineralisation
Jay-Eye	FRB0243	263159.1	7420928	507.88	42	5	42	37	10.27	
	including					5	20	15	12.51	
	FRB0266	262950	7420667	482.07	42	7	28	21	10.91	
	Including					7	19	12	12.08	

Table 2: Significant Assay Results from Infill Drill Program (Refer to Appendix 3 for the full results)

In July 2022, the Company completed a Scoping Study that produced a manganese concentrate based solely on the Indicated and Inferred tonnage at the Sixty Sixer deposit, which generated a 10-year Life-of-Mine and an NPV of A$329M at a discount rate of 8%, with average EBITDA of approximately $72.2M per annum (*based on original modifying factors, refer to ASX announcement "Impressive Results from Manganese Concentrate Scoping Study" dated 20th July 2022*).

Firebird is buoyed by the subsequent upgrade to the Indicated Resources of Karen and Jay Eye and the further de-risking of Oakover, as we continue to progress our flagship Project through the development stages.

Aside from the information set out in this announcement, Firebird is not aware of any new information or data that materially affects the information included in its announcement dated 20 July 2022, and all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed.

NEXT STEPS

Following completion of the Mineral Resource Upgrade, along with the recent successful production of battery-grade manganese sulphate from Oakover, Firebird is now focused on completing its high-purity sulphate Scoping Study, which is expected to be finalised and released in Q3 this year. The Company will then look to commence a combined Pre-Feasibility Study on manganese ore and high-purity sulphate to encapsulate a total Project study.

This announcement has been approved by the Board of Firebird Metals Limited.

-ENDS-

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About Firebird Metals Limited

Firebird Metals Limited (ASX:FRB) is a West Australian company focused on the exploration and development of its 100% owned project portfolio, comprising a number of highly prospective manganese projects in the renowned East Pilbara Manganese province of Western Australia.

The Company's primary focus is on the development of the Oakover and Hill 616 Manganese Projects, which are located approximately 85 km east and southeast of Newman and together cover approximately 375 km2. These two projects give the company a significant total Mineral Resource Estimate of 233.5 million tonnes:

- Oakover Project – 176 Mt @ 9.9% Mn
  - 105.8 Mt @ 9.7 % Mn Indicated Mineral Resource Estimate
  - 70.8 Mt @ 8.2 % Mn Inferred Mineral Resource Estimate
- Hill 616 Project - 57.5 Mt @ 12.2% Mn Inferred Mineral Resource Estimate

The total Mineral Resources Estimate of 233.5 million tonnes provides a solid technical foundation for further development as the company targets production of manganese for two key markets:

a) manganese sulphate for use in the growing lithium-ion battery market that is used in electric vehicles, where manganese is a critical raw material; and

b) manganese ore/concentrates for consumption in the global steel industries, where manganese plays an important and un-substitutable role in the strength and hardness of steel

Firebird is focused on creating and growing sustainable value for our stakeholders through the application of best practices in exploration and our commitment to protecting the health and wellbeing of our employees, the environment and the communities where we work.

Hill 616 Mineral Resource Estimate - December 2021

Zone	Mineral Resource Classification	Tonnes (Mt)	Mn (%)	Fe (%)		SiO_2 (%)	Al_2O_3 (%)	P (%)	LOI (%)
Manganiferous shale	Inferred	49.3	11.4	17.3		40.0	8.5	0.13	7.6
Supergene manganese	Inferred	8.1	17.4	16.8		30.1	9.4	0.09	9.9
Grand Total	**Inferred**	**57.5**	**12.2**	**17.2**		**38.6**	**8.6**	**0.13**	**8.0**

Mineral resources reported at a cut-off grade of 8% Mn
**Fe_2O_3[1] converted to Fe% using a factor of 0.6994 calculated from atomic mass and molecular weight.*
** P_2O_5[2] converted to P% using a factor of 0.4364 calculated from atomic mass and molecular weight.*
** Due to the effects of rounding, the total may not represent the sum of all components*

Refer ASX release; "Hill 616 Maiden Inferred Resource Increase Manganese Inventory by 90%" dated 1/12/2021

[1] Assumption is all the Fe occurs in the form of Fe_2O_3
[2] Assumption is all the P occurs in the form of P_2O_5

Appendix 1 - Understanding the Reporting of Material Mineral Resource Estimates (ASX LR 5.8)

Geology and Geological Interpretation

Oakover is situated in the Collier Basin near the edge of the Pilbara Craton. A major portion of the tenement is covered by Quaternary cover with some calcrete along drainages. Several outcrops of the Middle Proterozoic Bangemall Group (Manganese Subgroup), including various sediments of the Balfour Formation, Jigalong Formation and the Stag Arrow Formation are found on E52/3577.

The manganese mineralisation occurs as multiple seams or bands of varying thickness within a highly weathered shale (Balfour Formation). The mineralisation was generally found to be shallow (mostly within 20 m of the surface), gently dipping and laterally extensive across the target area. The lateritic profile and subsequent manganese mineralisation show the zonation within the regolith and distribution of manganese mineralisation. The higher-grade (or nearer-surface supergene/lateritic) manganese material is generally located within the upper portion of the regolith profile at shallow depths (0–15 m).

Drilling, logging and sampling for Sixty Sixer, Jay eye and Karen prospects reveals that mineralisation is generally coherent, with increased frequency of mineralized lenses coalescing to form massive to semi-massive bodies of manganese oxides within the shale. Units are reasonably continuous along and across strike averaging approximately 15 m thick. Mn grades range between 10% Mn and 14% Mn.

Sampling and Sub-Sampling Techniques

Historical Drilling

RCP and air core samples submitted in 2011 were collected from a 3-tier riffle splitter attached to the cyclone on the side of the rig. A sample of approximately 2 kg was retained from the drilled material and the rest was left in a green bag on site. The riffle splitter was checked every metre and cleaned if necessary. No sample weights were recorded on site. Samples received at the mineral processor Nagrom laboratory weighed between 0.138 kg and 9.136 kg with an average sample weight of approximately 2.647 kg and a median weight of 2.399 kg. Field duplicates were taken every 20th sample by splitting the original sample at the rig into half using a rifle splitter. Field duplicates were submitted to the laboratory as a separate batch and with non-sequential sample numbers. Standards were inserted as every 20th sample. All samples were submitted to Nagrom laboratory in three batches. Sample preparation for the RC and air core samples was as follows:

1. Samples were dried at 105^0C for 8-10 hours.

2. No crushing was necessary since maximum grain size was 2 mm.
3. Sample were split t through a 50:50 bench rifle splitter and sample weights recorded.
4. One split was pulverised and the other one retained.
5. Samples were dried for a minimum of 1 hour, then desiccated.
6. A sub sample was weighed for analysis (0.8g sample, 8g flux).

Modern Drilling

Nine of the ten diamond holes (OKDM002 - OKMD010) drilled by Topdrive Drillers Australia in 2011 were re-logged by CSA Global in June 2021 and submitted for analysis in 2021. Sampling intervals ranged from 0.3 m to 2.77 m. The core was split into two longitudinal cuts which were then quartered. Quarter core samples were dispatched to Nagrom in August 2021. The core recovery from the nine drill holes averaged 87.7%. Sample preparation was as follows:

7. Samples were received and sorted.
8. One quarter core was crushed to a nominal top size of 6.3 mm.
9. All crushed samples were riffle split.
10. Samples were pulverised to 80% passing 75 µm.

Samples were submitted to Nagrom laboratory in Kelmscott. Sample preparation for the RC and air core samples was as follows:

11. Samples were dried at 105^0C.
12. Samples were coarse crushed to top size of 6.3mm.
13. Sample were rifle and pulverised to 80% passing 75 microns.
14. The pulp was submitted for XRF analysis.

Drilling Techniques

Drilling on E52/3577 has been carried out on the Project since 2010. RCP, air core and DD drilling methods were used to collect samples on the tenement. Only RC and DD drilling methods were used to collect samples within the immediate area of the Project. All drilling carried out between 2010 and 2012 will be referred to as “Historical drilling” in this report and subsequent drilling will be termed “Modern drilling”.

Diamond drilling was carried out by Topdrive Drillers Australia using the PQ3 core diameter (8.3cm) in 2011. Historical RCP holes (5 ½ “ bit with a face sampling hammer) were drilled under the Brumby Resources. Firebird drilled 233 holes between August and October 2021. RCP drilling was carried out by K-Drill Pty Ltd using a Schramm 685 RC drilling rig with 5 ½ “ bit with a face sampling hammer. Firebird drilled 82 holes during October 2022. RCP Drilling was carried out by Orlando Drilling using a Atlas Copco Explorac HC220 drilling rig with 5 ½ “ bit with a face sampling hammer. A drill hole summary is included as 3.

Table 3: Oakover Resource Drill Hole summary by year

Area	Year	Drill Type	Number of holes	Minimum Depth (m)	Maximum Depth (m)	Average Depth (m)	Total Depth (m)
Sixty Sixer	-	RC	6	29.0	70.0	48.2	289.0
	2010	RC	27	40.0	120.0	60.5	1,634.0
	2011	DD	4	34.8	45.3	37.8	151.2
	2011	RC	54	33.0	122.0	77.3	4,174.0
	2012	RC	41	10.0	99.0	53.0	2,171.0
	2021	RC	173	15.0	78	42.9	7,713.1
Sixty Sixer	**Total**		**305**	**10.0**	**122.0**	**52.7**	**16,132.3**
Jay Eye	2010	RC	17	20.0	50.0	36.0	612.0
	2011	DD	2	25.0	28.8	26.9	53.8
	2021	RC	18	40.0	48.0	40.9	736.1
	2022	RC	42	42.0	42.0	42.0	1,764.0
Jay Eye	**Total**		**37**	**20.0**	**50.0**	**37.9**	**3,165.9**
Karen	2010	RC	13	40.0	100.0	59.8	777.0
	2011	DD	3	21.3	34.0	27.5	82.6
	2021	RC	42	40.0	48.0	40.4	1,696.0
	2022	RC	40	24	30	25.8	1,032.0
Karen	**Total**		**57**	**21.3**	**100.0**	**44.1**	**3,587.6**
Oakover	**Grand Total**		**400**	**10.0**	**122.0**	**50.2**	**22,885.8**

Mineral Resource Classification Criteria

The Mineral Resource of the Oakover Project has been classified using the JORC Code guidelines. The Mineral Resource was classified on a qualitative basis, as a combination of Indicated and Inferred, based upon the geological understanding of the deposit, geological and mineralisation continuity, drillhole spacing, search and interpolation parameters and analysis of available density information.

Material that has been classified as Indicated generally has a drill spacing between 50 m x 50 m and 100 m x 50 m in X and Y directions. The variograms for areas with a drill spacing of 50 m x 50 m demonstrate good grade continuity along and across strike. The area also contains sufficient density data to be estimated by ordinary Kriging. Preliminary metallurgical test work has been encouraging but not conclusive and further test work is in progress. Areas with a drill spacing of 100 m by 50 m demonstrates good geological continuity but grade continuity is not well demonstrated. Infill drilling will help improve the grade continuity in these areas.

Material that has been classified as Inferred has a drill spacing wider than 100 m by 50 m in X and Y directions. Geological continuity and grade continuity are considered implied based on the sampling pattern and assigned density were largely used in these areas.

Sample Analysis Methodology

Historical drilling

Samples were fused for 15 minutes at 1050C to form a X-Ray Fluorescence (XRF) bead. A second bead was made from the same pulp for laboratory repeats approximately every 20th sample. Samples were analysed for Mn, Fe, Al2O3, As, Ba, Ca, Cl, Co, Cr, Cu, Mg, Na, Ni, P, Pb, S, Si, Sn, Sr, Ti, V, Zn and Zr. Loss on Ignition (LOI) was determined gravimetrically at 11000C. The laboratory used GIOP31 and SARM17 standards.

Modern Drilling

The DD drill samples were dried, crushed, ring pulverised and analysed by XRF and Thermogravimetric analysers (TGA). Prepared samples were fused in lithium borate flux with lithium nitrate additive and the resultant glass bead was analysed by XRF. The elements determined by XRF were Mn, Fe, Al2O3, As, BaO, CaO, Cr, Cu, Cr2O3, CO3O4, K2O, MgO, Na2O, Ni, P2O5, S, SiO2, SrO, TiO2, Zn, ZrO2 and V2O5. LOI was determined using the thermogravimetric method at 11000C after initially deriving of moisture at 105oC. LOI is packaged with XRF suites to achieve close to 100% characterisation. XRF and TGA analysis is the industry standard method for manganese.

Estimation Methodology

Samples were flagged with codes representing the wireframes for each mineralisation domain. A composite length of 1 m was selected based on the most common sampling length

One block model was created covering the drilled area for Sixty sixer, Jay Eye and Karen with a parent cell dimension of 25 m E by 25 m N x 1 m RL and sub-cells of 12.5 m E by 12.5 m N x 0.5 m RL. A smaller block size was chosen to give a better estimation of the volume of the deposit considering the wireframe boundaries and the variable domain widths.

Ordinary kriging was used to interpolate grades into the block model cells using composited grades. Three search passes were used for the estimation with an increase in search radii for each subsequent search pass and a reduction in sample numbers for the third search pass. Quantitative Kriging Neighbourhood Analysis (QKNA) was used to optimise the estimation parameters for all variables. Estimation was confined to domain boundaries.

Density values were interpolated into the block model cells using a regression analysis of density versus Mn% grade, using 1m composites of density values derived from downhole geophysics, matched to corresponding downhole assay intervals.

The block model was validated by visual checks, statistical comparisons, and swath plots to ensure that the block model was a good representation of the drill hole composite data. Validation checks were carried out for all variables.

Cut-Off Grades and Reasonable Prospects

Clause 20 of the JORC Code (2012) requires that all reports of Mineral Resources must have reasonable prospects for eventual economic extraction (RPEEE), regardless of the classification of the Mineral Resource. The Competent Person believes there are reasonable prospects for eventual economic extraction of the Mineral Resources based on the following:

- Sixty Sixer and Jay Eye mineralisation is continuous and has been delineated by drilling on a strike of approximately 4 km. Karen mineralisation is continuous for a strike of about 1 km.
- The mineralisation occurs at shallow depths and remains open to the northeast of Jay Eye, southeast of the Sixty Sixer and northwest of Karen.
- A reporting cut-off of 7% Mn has been applied in the MRE which is used for the Element 25 Butcherbird Manganese Project. The Butcherbird project is in production and is located in the South Pilbara area of Western Australia.
- Phase 1 metallurgical test work results for the Oakover Project were encouraging and the results support the conceptual flow sheet for Phase 2 metallurgical programme. The test work has shown that Domain 2 and Domain 5 material upgrades to a manganese product using a simple metallurgical process and further test work is still ongoing.
- Material from Domain 3 is aligned to the hydrometallurgy method which has been proven internationally but is not common in Australia. This has been reported as achievable by (Element 25, Butcherbird ASX announcement 28 November 2018) which is of similar geological and mineralisation setting as for Oakover Domain 3. (Source:https://www.element25.com.au/site/PDF/a456d29c-cc67-453f-8489-1365501c22e8/FirstHighPurityElectrolyticManganeseMetalProduced)
- Hydrometallurgy test work for the Oakover Project were encouraging and the results support the conceptual flow sheet for Phase 2 hydrometallurgical programme. The test work has shown that material upgrades to a manganese product using a simple metallurgical process and further test work is still ongoing.
- Another example of a project utilising a lower grade Mn resource to produce electrolytic manganese metal EMM, or high purity manganese sulphate monohydrate (HPMSM) is Euro Manganese Inc. Chvaletice Manganese Project in the Czech Republic which grades approximately 7.3% Mn. Source (https://www.mn25.ca/chvaletice-project).

Mining and Metallurgical Methods

No mining has been completed. The metallurgical work history is described below.

Historical metallurgical testwork was carried out by Brumby Resources between 2011 and 2013. A first pass metallurgical beneficiation test to determine the possibility of upgrading manganese ore was completed in 2011. Six RC samples from Sixty Sixer and three from Karen prospects were selected and the analysis was completed by ALS-Ammtec Metallurgy Laboratories in Balcatta, Perth. The results were analysed by Ozmet, Perth. Three samples from Sixty Sixer returned results greater than 35% Mn and two returned results above 33.3% Mn. The results indicated that samples of varying feed grades (>15% Mn) can be beneficiated to an average 35.9% Mn product that is low in iron and contaminants.

In 2012 Nagrom completed the characterisation of manganese ore from the Sixty Sixer prospect. A total of 370 kg of RC chip samples from the prospect was used for initial characterisation test work. Samples were subjected to heavy liquid separation (HLS) and dry magnetic characterisation using the Variable Gauss Dry Disc Rapid Magnet. The processes reported an Mn grade of 26.07% at a deportment of 59.33% to 53.05% of the mass.

The 2013 metallurgical test work aimed at understanding the leaching behaviour of the ore samples. The test work was completed by ALS Metallurgy using two mineralisation samples from the previous test work and an additional sample that was supplied by Brumby Resources. The results showed that all samples had less than 40% of the manganese from the solution reporting to the solids and that the assays of the solids vary between 15 and 35% manganese.

In 2021, Firebird planned two phases of metallurgical test work to support project development:

- Phase 1 involves detailed work to characterise recovery and liberation characteristics of the manganese
- Phase 2 is aimed at verifying the preliminary flow sheet and defining suitable products for vendors and marketing groups in line with the Pre- Feasibility Study (PFS) and Definitive Feasibility Study (DFS).

In 2022, Firebird planned hydrometallurgy test work to support a second product stream for project development.

2021 Metallurgical Test work

A Phase 1 metallurgical test work programme was completed in January 2022. Two samples; FB01 and FB02, obtained from historical diamond PQ core, were used for the metallurgical test work. FB01 was obtained from Sixty Sixer, Jay Eye and Karen while FB02 was from Sixty Sixer and Jay Eye. The samples were collected from the supergene and layered mineralised domains. The samples represented Domain 2 and Domain 5. Both samples obtained a circa grade of 12% Mn. This grade is relatively in line with the global head grade.

The test work can be summarised below:

- Both samples were crushed to 100% passing 32mm then scrubbed in an ISO scrubber for 10 minutes to remove ultrafine and slime minerals.
- The crushed and scrubbed product was screened at 8mm and 1mm to generate two streams of feedstock for test work:
    - Lump -32 +8 mm for ore sorting test work
    - Fine -8 + 1 mm for HLS beneficiation test work
    - Ultrafines less than 1 mm were not examined other than assay for mass balancing purposes.

2021 Metallurgical Test Work Results

The Phase 1 metallurgical programme confirmed proof of concept for upgrading of the ore to potential direct shipping grades using scrubbing and ore sorting for -32mm +8mm lump and scrubbing and gravity separation (simulating Dense Media Separation) for the -8mm +1mm fines. Key upgrade data from the Phase 1 test work program is summarised in the Table 4 and Table 5 below;

	Mn %		
		-32+8 mm upgraded Products	
	Head grade	Scrubbing	Ore Sort
FRB 01	11.4	16.7	26.5
FRB 02	11.4	19.8	31.0

Table 4: Phase 1 "Proof of Concept" ore sorting results

	Mn %		
		- 8+1 mm upgraded products	
	Head Grade	Scrubbing	Heavy Liquid Separation
FRB 01	11.4	17.1	31.6
FRB 02	11.4	16.8	32.8

Table 5: Phase 1 Heavy Liquid beneficiation results

**Ref: ASX release dated 17/1/2022*

The Phase 2 metallurgical test work program using approximately 15 tonnes of shallow supergene ore extracted from six separate sampling locations (three from Sixty Sixer and three from Karen) has commenced. Feed preparation is underway, comprising crushing, screening, scrubbing and then re-screening to produce -8mm +50mm lump for ore sorting tests and -1mm +10mm feed for heavy liquid separation tests.

2022 Metallurgical Test work

The company completed a two phase hydrometallurgy high-purity manganese sulphate monohydrate (HPMSM) flowsheet development test work program. Phase 1 involved Leaching test work feed material was generated from diamond drill core from all Oakover manganese ore domains of the Sixty Sixer, Jay-Eye and Karen deposits. Multiple scouting leaching tests were completed on Oakover Mn feed, which had been crushed, screened and scrubbed, but not beneficiated further (ore sorted/DMS) and then ground to below 0.5 mm prior to leaching.

Phase2 involved utilising combined selected pregnant leach solutions (PLS) obtained from the earlier leaching test work phase on Oakover ore. The PLS was subjected to a sequence of typical impurity removal steps, followed by crystallisation of crude manganese sulphate. The crude manganese sulphate was then redissolved and recrystallised and washed to produce HPMSM crystals.

High precision trace element analyses for typical impurity elements was conducted to determine impurity levels in the crystals and estimate the overall purity of >99.8% manganese sulphate monohydrate by difference. Levels of individual impurity elements listed in the Manganese Sulphate for Battery Materials Specification (HG/T 4823-2015) were all within specified limits.

2022 Metallurgical Test work results

Key results from the hydrometallurgy program include:

- Ore amenable to initial beneficiation and preparation (crush, scrub, screen, grind)
- Ore amenable to reductive acidic leaching
- 93-97% Mn leach extraction in 4 hours
- Heat generated by the reaction
- Mn concentrations of 70-140 g/l in Pregnant Leach Solution
- Impurity removal through multistage precipitation and crystallisation
- HPMSM crystals produced at >99.8% purity
- HPMSM containing >32% manganese

Refer ASX announcements Positive Hydrometallurgical test work dated 24/10/2022 and Oakover Metallurgical Test Work Update dated 17/1/2022 and Battery Grade Manganese Sulphate Produced from Oakover dated 30/1/2023.

Competent Persons Statement

The information in this report that relates to the Oakover Mineral Resources is based on information compiled by Dr Matthew Cobb. Dr Cobb is an independent consultant engaged by Firebird Metals Ltd, and is a Member of the Australian Institute of Geoscientists (AIG). Dr Cobb has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as a Competent Person as defined in the 2012 edition of the Australasian Code for the Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code). Dr Cobb consents to the disclosure of the information in this report in the form and context in which it appears.

Appendix 2: JORC Table 1 Section 1 – Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	*Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as downhole gamma sondes, or handheld XRF instruments, etc.). These examples should not be taken as limiting the broad meaning of sampling.*	Reverse Circulation (RC) and Diamond Drilling (DD) methods were used to collect samples within the immediate area of the Oakover Project ("The Project"). Drilling carried out between 2010 and 2012 is considered to be "historical" drilling. Drilling conducted from 2021 onwards is considered "current" drilling in this table. Historical DD was conducted by Topdrive Drillers Australia in 2011 using PQ3 core diameter, while RC drilling used a 5.5"bit diameter and face sampling pneumatic hammer. Holes were drilled by previous Project owner Brumby Resources Limited (Brumby). Current drilling was conducted by K-Drill Pty Ltd in two phases; August to October 2021, and October 2022. A 5.5" bit diameter, face sampling pneumatic hammer was employed for RC. A total of 482 RC holes and 9 DD holes have been drilled over the Project for 22,820 m. The Competent Person considers that the styles of drilling employed, and the sampling techniques are suitable for the style of mineralisation.
	Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.	RC Samples were collected on 1m intervals using a rig-mounted cyclone splitter. DD samples were collected on lithological intervals between 0.3 and 2.77 m in length, according to the rig supervising geologist's recommendations.
	Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information	Current samples were delivered to Nagrom Laboratories in Kelmscott, Western Australia, and subsequently weighed, then crushed and pulverised to >80% passing <75 µm. Analysis was completed using Li-borate fusion X-Ray Fluorescence (XRF) analysis.

Criteria	JORC Code explanation	Commentary
Drilling techniques	*Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc.) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc.).*	RC samples were collected using a face-sampling, 5.5" diameter bit via the inner return tube to a rig-mounted cyclone splitter. All diamond core was collected by PQ3 sized triple-splitter core barrels. The Competent Person considers that the drilling techniques used are appropriate for the style of mineralisation,and are suitable for use in Mineral Resource estimation.
Drill sample recovery	*Method of recording and assessing core and chip sample recoveries and results assessed.*	Sample recoveries are not recorded for historic drilling, however review of available historic reports indicates no evidence of poor recovery. Sample recoveries from current RC drilling are assessed on a qualitative basis, with qualitative recovery recorded as "Excellent", "good", "poor" or "no sample". Sample recoveries from core drilling are quantitatively recorded and average 87%
	Measures taken to maximise sample recovery and ensure representative nature of the samples.	Triple-tube PQ core drilling was completed to maximise diamond core recoveries. RC sampling was continuously monitored by supervising field staff. Any evidence of declining recovery / poor recovery was addressed with the drilling contractor immediately through discussion, and if necessary, modification of drilling parameters (air pressure / feed rate etc..).
	Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.	No relationship between sample recovery and grade has been analysed, but anecdotal evidence (observation of drill chips and recoveries through mineralisation and waste) suggests none is present.
Logging	*Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.*	All RC and diamond drillholes were geologically logged to an industry standard appropriate for the mineralisation present at the project. All drill chip samples were geologically logged at 1 m intervals from surface to the bottom of each drillhole. Diamond core was photographed, and RC chips were retained and photogrtaphed in chip trays for future reference.

Criteria	JORC Code explanation	Commentary
		The Competent Person considers that the level of detail is sufficient for the reporting of Mineral Resource estimation.
	Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography.	Lithological logging is qualitative in nature. Logged intervals were compared to the quantitative geochemical analyses and geophysical logging to validate the logging. Quantitative logging was completed, for downhole geophysical density data collection, on 128 of the current RC holes (from 315 total holes) within 2 months of completion of drilling. CSA Global Pty Ltd (CSA Global) quantitatively and qualitatively re-logged 2011 historic DD drillcore for geology and geotechnical information, and for the purposes of metallurgical domaining, in 2021. The Competent Person considers that the availability of qualitative and quantitative logging has appropriately informed the geological modelling, including weathering and oxidation, water table level and rock type.
	The total length and percentage of the relevant intersections logged.	The total length of all drilling was geologically logged, and an average of 95% of the total hole depth for relevant holes was quantitatively logged for geophysical responses.
Subsampling techniques and sample preparation	*If core, whether cut or sawn and whether quarter, half or all core taken.*	Diamond core was cut into two quarters and one half using a diamond core saw. One of the quarters was placed into a numbered calico bag, which was tied and placed in a plastic/polyweave bags. Quarter core was dispatched to Nagrom laboratories.
	If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.	RC samples were collected via a rig-mounted, cyclone splitter to yield sub samples of approximately 3 kg from a 1 m sample length.
	For all sample types, the nature, quality and appropriateness of the sample preparation technique.	The Competent Person considers these methods appropriate for this style of mineralisation.
	Quality control procedures adopted for all subsampling stages to maximise representivity of samples.	Certified Reference Materials (CRMs) were inserted into the sample stream for current drilling every 20th sample for historic drilling. Field duplicates were collected every 20th metre of drilling. Current drilling saw CRMs inserted approximately every 25th sample, and field duplicates taken every 20th sample.

Criteria	JORC Code explanation	Commentary
	Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling.	Historic field duplicates were collected via secondary 3-tier riffle splitter at the rig, while current drilling saw field duplicates collected directly from the rig-mounted cyclone splitter.
	Whether sample sizes are appropriate to the grain size of the material being sampled.	Sample sizes are considered appropriate to the grain size of the material being sampled.
Quality of assay data and laboratory tests	*The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.*	Samples, both historic and current, were transported to Nagrom Laboratories in Kelmscott for analysis. Li-borate fusion XRF was employed for the analysis of Fe, SiO_2, Al_2O_3, TiO_2, P_2O_5, S, MgO, CaO, Cr, Cu, K_2O, Na_2O, V_2O_5, Co_3O_4, Ni, Pb, Zn, As, BaO, SrO, and ZrO_2. LOI was determined thermogravimetrically at 1,100°C, subsequent to a sample drying phase at 105°C for moisture determination. The analytical method employed is considered to be an industry standard for the type of mineralisation under study and is considered total.
	For geophysical tools, spectrometers, handheld XRF instruments, etc., the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.	Downhole geophysical measurements were conducted by ABIMS Solutions Pty Ltd, who captured long and short rage (LSD and SSD respectively) density data, caliper hole diameter, magnetic susceptibility and natural gamma radiation values.
	Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.	A total of 100 CRM samples were analysed during historic data collection in 2011 and 2012. 11% of results fell outside the nominal ±3sd accuracy failure threshold for Mn, Al_2O_3, Fe and SiO_2. 15% of results were outside of threshold for P analysis. Firebird submitted 335 GMN-01 CRMs sourced from Geostats Pty Ltd, 220 OREAS173 CRMs sourced from Ore Research Pty Ltd, 349 Blanks, and 884 field duplicate pairs within the current drilling sample stream for analysis, in order to monitor and control for analytical quality. Over 96% of CRMs are within acceptable threshold limits, blanks showed no evidence of significant contamination,

Criteria	JORC Code explanation	Commentary
		and duplicate analysis indicated suitable repeatability of results. The Competent Person considers the nature and quality of assay data to be suitable for use in Mineral Resource estimation.
Verification of sampling and assaying	*The verification of significant intersections by either independent or alternative company personnel.*	Verification of significant assay intersections within current drilling has been completed by the Competent Person, through correlation of assay results over specific intervals with inspection of the relevant chip tray samples retained from drilling.
	The use of twinned holes.	There has been no twin drilling
	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	The data entry, storage and documentation of primary data was completed on Microsoft Excel spreadsheets and local hard drives, then imported into a central database managed by CSA Global.
	Discuss any adjustment to assay data.	No adjustments or calibrations have been made to any raw assay data.
Location of data points	*Accuracy and quality of surveys used to locate drillholes (collar and downhole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.*	Of the available drillholes, 113 were located using hand-held GPS, 10 of those 113 had RL corrections made on the basis of topographic DTM data, and the remainder of collars were located through the use of RTK DGPS. All current drilling utilised DGPS location. The topography of the Project is flat, and DGPS surveyed collars were used to generate the topographic DTM. The relative error associated with hand held GPS for the remainder of the collars is considered acceptable on the basis that errors are small relative to the spacing of the drilling data. With the exception of 21 holes, all are drilled vertically and all holes are relatively short (<60m). Deviation downhole is not considered to be a material risk to the accurate location of drilling data. The Competent Person considers the level of confidence able to be placed on the accuracy of drillhole locations to be relatively high, and to not pose any risk to the use of the data in Mineral Resource estimation.
	Specification of the grid system used.	Topographic data were captured in GDA94 MGA Zone 51 grid system.
	Quality and adequacy of topographic control.	A topographic surface used for coding the block model was built from drillhole collars, with the outer limits extended by visual best fit from the nearest holes. The Competent Person considers that the surface is suitable for this Mineral Resource estimate, as the area above and proximal to the Mineral Resource is topographically flat.

Criteria	JORC Code explanation	Commentary
Data spacing and distribution	*Data spacing for reporting of Exploration Results.*	Drillhole spacing over the deposits ranges between nominal 200 x 100 m to 50 x 50 m grids.
	Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.	The Competent Person believes the mineralised lenses have sufficient geological and grade continuity to support the classification applied to the Mineral Resources given the current drill pattern.
	Whether sample compositing has been applied.	RC samples were collected at 1m intervals. DD sampling varied between 0.3 to 2.77 m intervals. Data for use in Mineral Resource estimation for composited to the overwhelming majority sample length of 1m.
Orientation of data in relation to geological structure	*Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.*	The regular spaced drilling on consistent sections, and the dominantly vertical drilling into pseudo-horizontal mineralisation ensure, to the best degree practicable, unbiasedness in sampling. There is no evidence of major structures disrupting mineralisation, and the Competent Person considers the drill orientation and spacing to be appropriate for use in Mineral Resource estimation.
	If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.	No relationship has been noted between drillhole orientation and mineralisation.

Criteria	JORC Code explanation	Commentary
Sample security	*The measures taken to ensure sample security.*	Individual Calico bagged samples were collected into bulk bags for dispatch, with batch sample counts and sample IDs recorded and forwarded to Nagrom. Samples were trucked to Nagrom's Kelmscott site via commercial transport. Upon receipt of samples, Nagrom staff reconciled the samples as arrived with the sample sheet forwarded. There are no significant concerns with sample security, nor with the chain of custody, and the Competent Person considers the current system to be appropriate.
Audits or reviews	*The results of any audits or reviews of sampling techniques and data.*	No external audit of sampling techniques and data has been undertaken.

JORC 2012 Table 1 Section 2 – Reporting of Exploration Results

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	*Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.*	The Oakover Managanese Project comprises one Exploration License (E52/3577) in the East Pilbara Shire of Western Australia, located approximately 100 km east of the town of Newman, and 15 km northwest of the Jigalong community. The license is held by Firebird Metals Ltd.
	The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.	The tenement is securely held solely by Firebird Metals Ltd and, excepting statutory restrictions relating to the Western Australian Aboriginal Hertiage Act (1972), there are no impediments to obtaining a license to operate.
Exploration done by other parties	*Acknowledgment and appraisal of exploration by other parties.*	Historic: The Project has been intermittently explored since the late 1970's for both iron ore and manganese ore. Hancock & Wright Prospecting Pty L:td and Texasgulf Australia Ltd conducted early-stage work and identified two prospects for manganese mineralisation coined DeGrey and Balfour Downs South.

Criteria	JORC Code explanation	Commentary
		CRA conducted some early stage (unspecified method) geophysical survey work in 1993, but no further work was recommended. "Modern" exploration began with Brumby Resources Limited in 2007 with Landsat Remote sensing imagery used to identify prospective manganese targets over then held tenement E52/1939-I. Work specific to the current Mineral Resources began in 2010 and 2011 with the Brumby executed RC and DD drilling. H&S Consultants were engaged by Brumby in 2012 to produce an Inferred Mineral Resource of 64Mt at 11.5% Mn using an 8% Mn cutoff. This Mineral Resource estimate was used by Brumby for a 2015 scoping study to explore the potential for a 1Mtpa hydrometallurgical processing facility. Modern: In addition to re-logging of historic drillcore, in 2021 Firebird drilled 233 additional RC drillholes, conducted a Mineral Resource estimate in 2022 for the Jay-Eye, Sixty-Sixer (66er) and Karen deposits, and produced an updated scoping study. In 2022, Firebird then drilled an addition 82 RC holes, and it is this additional data which has fed into the current Mineral Resource estimate.
Geology	*Deposit type, geological setting and style of mineralisation.*	Manganese mineralisation is hosted within a variably weathered Meso-Neoproterozoic shale (the Balfour Shale); part of the Manganese Subgroup sediments of the Oakover Basin. Mineralisation is variably disseminated to semi-massive replacement of the shale by a variety of manganese minerals dominated by cryptomelane and pyrolusite. Mineralisation occurs generally within 40m of the surface, and often crops out. Where outcrop is observed, the surficical mineralisation may be weakly lateritised. The Competent Person is of the opinion that the geological setting of the Project is well understood, and of sufficient detail to allow Mineral Resource modelling and estimation.
Drillhole Information	*A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drillholes:* *Easting and northing of the drillhole collar* *Elevation or RL (Reduced Level – elevation above sea level in metres) of the drillhole collar* *Dip and azimuth of the hole* *Downhole length and interception depth*	Full drillhole details for the latest round of drilling relevant tot his announcement are listed in Appendix 3

Criteria	JORC Code explanation	Commentary
	Hole length.	
	If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.	Not Applicable.
Data aggregation methods	*In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.*	Drillhole results are reported in Appendix 3 for all sampled intervals at the respective raw sampling length of 1m. Significant intercepts are reported on a length weighted average basis.
	Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.	High-grade portions internal to larger aggregated intercepts are reported with heir own respective lengths, and from-to data, and are clearly identified as internal aggregates.
	The assumptions used for any reporting of metal equivalent values should be clearly stated.	Not Applicable.
Relationship between mineralisation widths and intercept lengths	*These relationships are particularly important in the reporting of Exploration Results.*	Mineralisation at the project is sub-horizontal, and is intersected very high angles by vertical drilling.
	If the geometry of the mineralisation with respect to the drillhole angle is known, its nature should be reported.	Mineralisation at the project is sub-horizontal, and is intersected very high angles by vertical drilling.
	If it is not known and only the downhole lengths are reported, there should be a clear statement to this effect (e.g. 'downhole length, true width not known').	Mineralisation at the project is sub-horizontal, and is intersected very high angles by vertical drilling. Drillhole intercept lengths are effectively true thicknesses.

Criteria	JORC Code explanation	Commentary
Diagrams	*Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drillhole collar locations and appropriate sectional views.*	Relevant maps and diagrams are included in the body of this announcement.
Balanced reporting	*Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.*	Exploration results are not being reported. Significant intercepts are included to highlight the open nature of mineralisation at the edges of define Mineral Resources. These intercepts are downhole intercepts of a continuous nature, with contributing smaller, higher grade intercepts listed also in order to provide a balanced view of the distribution of mineralisation downhole.
Other substantive exploration data	*Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.*	All substantive exploration work relevant to the Mineral Resources has been accounted for, and is summarised in "Exploration Done by Other Parties"
Further work	*The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).*	The 66er deposit remains open to the south and to the north, as does the Karen deposit. The Competent Person recommends extensional drilling to test the lateral extents of these deposits.
	Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	Relevant maps and diagrams are included in the body of this announcement.

JORC 2012 Table 1 Section 3 – Estimation and Reporting of Mineral Resources

Criteria	JORC Code explanation	Commentary
Database integrity	*Measures taken to ensure that data has not been corrupted by, for example, transcription or keying errors, between its initial collection and its use for Mineral Resource estimation purposes.*	A Microsoft Access database is maintained by CSA Global. All Drillhole data required for Mineral Resource estimation is uploaded and held within this database. Extracts are taken as required. Data validation checks prior to use include checks for invalid or missing data, from-to interval overlaps, incorrect downhole maximum depths, and obvious spurious survey data (visually appraised)

Criteria	JORC Code explanation	Commentary
		The Competent Person found no material errors and deemed the database was fit for the purpose of Mineral Resource estimation.
	Data validation procedures used.	The Competent Person checked the drillhole files for the following errors prior to Mineral Resource estimation: • Absent collar data • Multiple collar entries • Questionable downhole survey results • Absent survey data • Overlapping intervals • Negative sample lengths • Sample intervals which extended beyond the hole depth defined in the collar table.
Site visits	*Comment on any site visits undertaken by the Competent Person and the outcome of those visits.*	The Competent Person, Dr Matthew Cobb, is familiar with the Project, having visited the site while held by Brumby (in 2010 and 2013-2014). Additionally, Dr Cobb has extensive experience in the manganese mineralisation styles of the Oakover Basin; including Balfour Shale hosted, from time in the employ of other manganese operators within the area.
	If no site visits have been undertaken, indicate why this is the case.	Not Applicable.
Geological interpretation	*Confidence in (or conversely, the uncertainty of) the geological interpretation of the mineral deposit.*	The geology of the Project is relatively simple and is well understood. Geological data used for interpretation was gathered from drillhole logging, assay data, and surface mapping / regional prospectivity mapping.
	Nature of the data used and of any assumptions made.	No material assumptions have been made which affect the MRE reported herein.
	The effect, if any, of alternative interpretations on Mineral Resource estimation.	The Competent Person is confident any alternative interpretations would result in globally immaterial differences in the Mineral Resource estimate.
	The use of geology in guiding and controlling Mineral Resource estimation. The factors affecting continuity both of grade and geology.	Mineralisation is generally constrained to lenses of varying tenor, forming a sub-horizontal, semi-continuous unit of mineralisation with internally variable grade. There is a visual and geochemically distinct difference between surrounding waste and mineralisation which permits relatively simple domaining. Mineralisation is generally laterally continuous over hundreds of metres.
Dimensions	*The extent and variability of the Mineral Resource expressed as length (along strike or otherwise), plan width, and depth below surface to the upper and lower limits of the Mineral Resource.*	The combined Sixty-sixer and Jay-Eye deposits have been drilled over a strike length of 4,000 m in a northeast-southwest direction. Drilling at Sixty-sixer extends approximately 900 m across strike, and 600 m at Jay-eye. Drilling at Karen extends approximately 1,000 m along strike (northeast-southwest) and approximately 800 m across strike.

Criteria	JORC Code explanation	Commentary
		Mineralisation at all deposits extends to depths of approximately 50 m and varies in thickness from section to section, averaging 15-20 m.
Estimation and modelling techniques	*The nature and appropriateness of the estimation technique(s) applied and key assumptions, including treatment of extreme grade values, domaining, interpolation parameters and maximum distance of extrapolation from data points. If a computer assisted estimation method was chosen, include a description of computer software and parameters used*	The Mineral Resources were estimated discretely for Sixty-sixer, Jay-eye and Karen. Each deposit was estimated similarly with the exception of the following domain modelling. Sixty-sixer has been estimated in Datamine using the following summary procedure: • Definition of six geological horizons within the Balfour Shale • Drill hole data flagged with relevant domain Karen and Jay-eye were modelled in Surpac using the following procedure: • Definition of a discrete mineralised volume within the Balfour shale at a nominal 5% Mn cutoff, which represents a visual and geochemical boundary between mineralisation and waste. Subsequent to mineralised domain modelling, the common process followed was thus: • Compositing of data to 1m intervals. • Classical and geostatistical exploratory data analysis, including the selection of top-cuts where appropriate, and experimental variography for Mn, Fe, SiO_2, Al_2O_3, Pb, P for all domains. • Definition of model semivariograms from the experimental results. • Kriging neighbourhood optimisiation (KNA) using model semivariogram data. • Three search passes with expanding search ellipses, with estimation conducted into the relevant block model via ordinary kriging. Each variable was treated in a univariate sense. • Block estimates were conducted using a block size of 25 x 25 x 1 m in Sixty-Sixer, and 50 x 50 x 2 m in Jay eye and Karen on the basis of KNA results.
	The availability of check estimates, previous estimates and/or mine production records and whether the Mineral Resource estimate takes appropriate account of such data.	A Mineral Resource estimate for Jay-Eye and Sixty-sixer was completed by H&S Consultants in 2012, for Brumby Resources. This yielded 64 Mt @ 11.5% Mn using an 8% Mn lower cutoff. Sixty Sixer was re-estimated (along with Jay-Eye and Karen) in 2022 by CSA Global. Jay-Eye and Karen have been

Criteria	JORC Code explanation	Commentary
		subsequently updated as announced in this release, following infill drilling completed in 2022. The results presented in this updated estimate are strongly concordant with the results of the CSA Global estimate for Jay-Eye and Karen. The principal difference now being an upgrade in Mineral Resource classification as a result of the increased drillhole density in these deposits.
	The assumptions made regarding recovery of by-products.	No Assumptions have been made with respect to by-products.
	Estimation of deleterious elements or other non-grade variables of economic significance (e.g. sulphur for acid mine drainage characterisation).	P, Pb and Al are potential deleterious elements in the sale of manganese ore. However, their status as deleterious or otherwise is dictated by the chosen processing stream for treatment of the manganese ore.
	In the case of block model interpolation, the block size in relation to the average sample spacing and the search employed.	Kriging neighbourhood optimisation was used to select the current block size for use in estimation.
	Any assumptions behind modelling of selective mining units.	No assumptions have been made regarding selective mining unit volumes
	Any assumptions about correlation between variables	No assumptions have been made regarding the correlation of variables during estimation.
	Description of how the geological interpretation was used to control the resource estimates.	Logged geology, alteration and structural controls were used in the interpretation of lodes within the resource model. Hard boundaries were used for estimation between mineralised domains.
	Discussion of basis for using or not using grade cutting or capping.	Top cuts were generally not applied to the main target variable (Mn). The heavily skewed populations of accessory elements P and Pb were top cut where appropriate to remove the effect of clear outliers.
	The process of validation, the checking process used, the comparison of model data to drillhole data, and use of reconciliation data if available.	Standard model validation was completed using numerical methods (histogram and swath plots) and validated visually in section and 3D against the input raw drillhole data, composites and blocks.
Moisture	*Whether the tonnages are estimated on a dry basis or with natural moisture, and the method of determination of the moisture content.*	Moisture has not been evaluated. Tonnages are reported on an in-situ moist basis.
Cut-off parameters	*The basis of the adopted cut-off grade(s) or quality parameters applied.*	The Mineral Resources were reported at a 7% Mn cutoff; selected on the basis of high-level assessment of the likely mining and processing flowsheet. Analysis of peers shows similar cutoff grades used for similarly shale hosted deposits.
Mining factors or assumptions	*Assumptions made regarding possible mining methods, minimum mining dimensions and internal (or, if applicable, external) mining dilution. It is always necessary as part of the process of determining reasonable prospects*	It is assumed that the Oakover Project will be mined using shallow conventional open pit methods.

Criteria	JORC Code explanation	Commentary
	for eventual economic extraction to consider potential mining methods, but the assumptions made regarding mining methods and parameters when estimating Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the mining assumptions made.	

Metallurgical factors or assumptions	*The basis for assumptions or predictions regarding metallurgical amenability. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential metallurgical methods, but the assumptions regarding metallurgical treatment processes and parameters made when reporting Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the metallurgical assumptions made.*	Preliminary metallurgical testwork has been completed by Firebird in January 2022. Two samples; FB01 and FB02, were obtained from historical drillcore and submitted for testing as composite samples.
		
		FB01 was sourced from Jay-Eye, Sixty-Sixer and Karen, while FB02 was sourced from Jay-eye and Sixty-sixer.
		
		Both samples were submitted with an average head grade approximating 12%Mn. Testwork is summarised below:
		
		• Crushed to 100% passing <32 mm, scrubbed in an ISO scrubber for 10 minutes to remove ultrafine and slimes.
		
		• Sample screened at 8 mm and 1 mm for two streams of feedstock:
		
		  ○ Lump -32 mm to +8 mm for ore sorting testwork
		
		  ○ -8 mm to +1 mm for HLS beneficiation
		
		  ○ -1 mm discarded other than for mass balance calculations.
		
		This testwork confirmed proof of concept for upgrading of Oakover mineralisation to direct shipping grades for the lump product via scrubbing and ore sorting, and for the fines to be similarly upgrade via scrubbing and heavy media separation.
		
		Pilot testing of the suitability of Oakover mineralisation to for hydrometallurgical production of high-purity manganese sulphate is also underway, with preliminary results showing successful desktop results.

Environmental factors or assumptions	*Assumptions made regarding possible waste and process residue disposal options. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider the potential environmental impacts of the mining and processing operation. While at this stage the determination of potential environmental impacts, particularly for a greenfields project, may not always be well advanced, the status of early consideration of these potential environmental impacts should be reported. Where these aspects*	No assumptions regarding possible waste and process residue disposal options have been made. Given the early stage of studies, it is reasonable to assume that waste will be disposed of in accordance with approved standard open cut mining practices in Western Australia.

Criteria	JORC Code explanation	Commentary
	have not been considered, this should be reported with an explanation of the environmental assumptions made.	
Bulk density	*Whether assumed or determined. If assumed, the basis for the assumptions. If determined, the method used, whether wet or dry, the frequency of the measurements, the nature, size and representativeness of the samples.*	ABIMS Solutions Pty Ltd were engaged to conduct a downhole geophysical logging program which yielded gamma density logs for a selection of current drillholes. Moisture was not measured and so densities derived are considered wet. Data from downhole gamma logs was composited to 1m and matched to assay data. A regression between Mn% and density was observed, and the formula describing the line of regression was sued, in conjunction with estimated Mn grades, to derive density values for the Mineral Resource estimate on a per-block basis.
	The bulk density for bulk material must have been measured by methods that adequately account for void spaces (vugs, porosity, etc.), moisture and differences between rock and alteration zones within the deposit.	The gamma determines a quantitative, in situ measurement of density that accounts for void spaces.
	Discuss assumptions for bulk density estimates used in the evaluation process of the different materials.	After considering the results of the above analysis, the gamma density data were considered sufficient in number for all material types, quantitative and unbiased when large calliper deviations from the nominal hole diameter were removed.
Classification	*The basis for the classification of the Mineral Resources into varying confidence categories.*	The MRE was classified as Indicated and Inferred based on the level of geological understanding of the mineralisation, quality of samples, density data, drillhole spacing, and percentage contribution of historical versus current drilling.
	Whether appropriate account has been taken of all relevant factors (i.e. relative confidence in tonnage/grade estimations, reliability of input data, confidence in continuity of geology and metal values, quality, quantity and distribution of the data).	The classification reflects the overall level of confidence in mineralised domain continuity based the mineralisation drill sample data numbers, spacing and orientation. Overall mineralisation trends are consistent within the various lithotypes over numerous drill sections.
	Whether the result appropriately reflects the Competent Person's view of the deposit.	The Mineral Resource classifications applied appropriately reflect the view of the Competent Person.
Audits or reviews	*The results of any audits or reviews of Mineral Resource estimates.*	Internal audits were completed over each of the deposit estimates.
Discussion of relative accuracy/ confidence	*Where appropriate, a statement of the relative accuracy and confidence level in the Mineral Resource estimate using an approach or procedure deemed appropriate by the Competent Person. For example, the application of statistical or geostatistical procedures to quantify the relative accuracy of the resource within stated confidence*	The accuracy of the MREs is communicated through the classification assigned to the various parts of the deposits. The MREs have been classified in accordance with the JORC Code (2012 Edition) using a qualitative approach. All factors that have been considered have been adequately communicated in Section 1 and Section 3 of this table.

Criteria	JORC Code explanation	Commentary
	limits, or, if such an approach is not deemed appropriate, a qualitative discussion of the factors that could affect the relative accuracy and confidence of the estimate.	The MRE statement relates to a global estimate of in-situ tonnes and grade.
	The statement should specify whether it relates to global or local estimates, and, if local, state the relevant tonnages, which should be relevant to technical and economic evaluation. Documentation should include assumptions made and the procedures used.	The accuracy of the MREs is communicated through the classification assigned to the deposit. The MRE has been classified in accordance with the JORC Code. All factors that have been considered have been adequately communicated in Section 1, Section 2 and Section 3 of this table. The MRE statement relates to a global estimate of in-situ tonnes and grade.
	These statements of relative accuracy and confidence of the estimate should be compared with production data, where available.	No production data are available.

Appendix 3: Infill drilling results table – October 2022

Hole_ID	East	North	RL	Dip	Azimuth	From	To	Mn%	Fe%	SiO2%	Al2O3%	P2O5%
FRB0237	263207.3	7421061	509.7	-90	0	0	1	10.53	5.14	38.61	6.6	0.153
						1	2	9.03	7.87	30.73	6.34	0.191
						2	3	9.07	7.06	34.86	6.26	0.201
						3	4	4.92	4.23	34.72	4.07	0.121
						4	5	16.12	8.17	32.87	7.69	0.236
						5	6	8.7	8.7	40.85	9.48	0.248
						6	7	9.32	7.96	43.04	10.43	0.294
						7	8	6.36	6.62	34.95	8.52	0.22
						8	9	11.86	8.2	42.1	10.59	0.238
						9	10	13.78	9.27	41.05	10.43	0.293
						10	11	10.32	8.72	47.46	12.46	0.292
						11	12	6.11	10.03	51.03	13.29	0.328
						12	13	13.31	10.54	41.41	10.51	0.31
						13	14	8.58	11.65	45.29	12.12	0.36
						14	15	10.59	11.98	42.86	11.11	0.349
						15	16	10.93	10.47	42.11	10.67	0.299
						16	17	13.17	9.96	41.42	9.41	0.31
						17	18	7.63	10.07	51.39	11.39	0.268
						18	19	8.54	7.24	52.36	12.31	0.26
						19	20	9.54	8.44	51.75	10.1	0.284
						20	21	8.61	7.49	37.67	9.31	0.213
						21	22	9.44	7.74	34.02	8.64	0.24
						22	23	9.3	7.61	33.5	8.59	0.218
						23	24	9.62	8.01	32.23	7.72	0.216
						24	25	10.55	7.87	30.43	7.59	0.244
						25	26	9.33	7.39	34.01	8.59	0.239
						26	27	10.02	7.92	31.46	7.94	0.269
						27	28	9.94	7.09	33.37	8.54	0.239
						28	29	8.92	6.81	36.02	9.43	0.245
						29	30	8.84	6.6	36.51	9.66	0.265
						30	31	8.23	6.27	38.71	10.16	0.237
						31	32	8.09	6.23	38.71	10.09	0.248
						32	33	9.11	6.85	35.15	9.08	0.249
						33	34	8.29	6.21	38.45	9.95	0.231
						34	35	7.46	5.84	41.75	10.83	0.211

						35	36	7.83	5.9	40.53	10.19	0.218
						36	37	7.6	5.55	41.32	10.43	0.222
						37	38	7.75	5.59	41.05	10.55	0.227
						38	39	6.33	5.63	44.41	11.63	0.249
						39	40	4.77	6.4	48.19	12.92	0.289
						40	41	2.73	5.64	53.89	14.14	0.302
						41	42	2.26	5.26	57.51	14.98	0.325
FRB0238	263249.3	7420966	509.52	-90	0	0	1	6.1	6.8	45.74	10.39	0.143
						1	2	1.93	4.1	37.63	8.17	0.071
						2	3	3.79	4.19	40.56	9.02	0.175
						3	4	5.85	5.28	43.14	8.73	0.158
						4	5	8.28	7.42	38.58	9.33	0.212
						5	6	9.6	10.53	41.3	10.26	0.318
						6	7	12.12	11.19	40.17	10.16	0.295
						7	8	10.65	10.12	43.27	11.07	0.317
						8	9	11.78	9.79	39.35	9.27	0.3
						9	10	9.57	8.51	34.12	8.9	0.235
						10	11	7.96	7.33	38.52	10.14	0.24
						11	12	8.55	7.19	37.45	9.93	0.239
						12	13	8.46	7.6	37.13	9.79	0.221
						13	14	8.89	8.02	35.37	9.21	0.226
						14	15	8.14	7.43	39.75	10.62	0.255
						15	16	7.6	7.12	42.57	11.32	0.244
						16	17	7.33	7.61	41.17	11.01	0.261
						17	18	8.36	7.7	37	9.74	0.255
						18	19	8.1	7.84	37.72	10	0.242
						19	20	8	7.67	38.9	10.19	0.27
						20	21	7.49	7.12	41.23	10.72	0.251
						21	22	9.76	8.44	34.12	8.12	0.227
						22	23	7.47	7.46	42.25	9.89	0.254
						23	24	3.44	6.63	52.16	13.42	0.146
						24	25	9.12	7.18	38.82	6.82	0.242
						25	26	8.04	7.1	40.19	8.67	0.212
						26	27	8.22	7.55	38.19	8.55	0.211
						27	28	9.23	8.45	33.31	8.26	0.245
						28	29	9.7	8.6	31.67	7.87	0.263
						29	30	9.6	7.87	32.92	8.46	0.236
						30	31	10.15	9.14	30.35	7.34	0.271
						31	32	10.35	8.56	30.81	7.69	0.254
						32	33	9.61	7.91	33.51	8.44	0.265

						33	34	10.62	7.98	29.95	7.39	0.235
						34	35	10.13	7.74	32.04	8.18	0.24
						35	36	8.91	6.55	36.3	9.36	0.251
						36	37	9.25	6.64	34.88	8.92	0.242
						37	38	9	7.01	35.1	9.09	0.245
						38	39	8.62	6.37	36.53	9.5	0.237
						39	40	8.33	5.78	38.45	10.11	0.235
						40	41	9.04	6.48	35.4	9.07	0.238
						41	42	8.46	6.05	37.96	9.83	0.233
FRB0239	263292.2	7420876	509.77	-90	0	8	9	13.31	7.61	36.79	8.62	0.232
						9	10	12.69	9.41	44.88	10.34	0.287
						10	11	20.33	8.35	35.36	8.93	0.38
						11	12	14.19	9.43	42.96	10.35	0.33
						12	13	11.91	9.19	45.52	11.54	0.332
						13	14	9.52	8.93	48.16	12.71	0.324
						14	15	12.22	9.13	43.33	11.1	0.277
						15	16	9.34	9.09	44.47	10.93	0.293
						16	17	7.97	8.95	47.01	12.15	0.296
						17	18	9.13	8.06	42.06	10.62	0.253
						18	19	6.75	7.44	43.3	11.51	0.273
						19	20	9.59	8.54	35.38	8.42	0.241
						20	21	7.29	7.82	40.39	10.45	0.263
						21	22	8.69	7.89	38.85	9.6	0.256
						22	23	6.29	7.7	45.21	11.38	0.242
						23	24	8.92	8.08	37.39	9.03	0.257
						24	25	8.61	7.38	43.34	8.21	0.247
						25	26	5.32	7.7	48.42	11.87	0.203
						26	27	5.39	6.31	49.03	11.24	0.206
						27	28	8.87	7.32	41	7.33	0.227
						28	29	3.96	7.9	47.09	14	0.171
						29	30	7.77	7.27	39.1	7.86	0.203
						30	31	8.96	8.46	33.23	7.86	0.244
						31	32	9.16	8.87	31.79	7.53	0.301
						32	33	9.58	8.25	32.42	8.01	0.246
						33	34	10.54	9.06	30.17	7.13	0.233
						34	35	10	8.25	33.13	8.1	0.238
						35	36	10.03	7.65	32.44	8.05	0.24
						36	37	10.72	8.22	29.39	7.13	0.228
						37	38	10.55	8.09	30.24	7.42	0.258
						38	39	8.68	6.51	36.1	9.24	0.232

						39	40	9.09	6.87	35.17	8.98	0.245
						40	41	8.63	6.58	36.55	9.48	0.237
						41	42	7.88	6.25	38.94	10.11	0.252
FRB0240	263335.4	7420788	509.91	-90	0	20	21	0.31	6.39	59.16	17.57	0.134
						21	22	0.33	6.08	59.95	17.3	0.122
						22	23	0.36	6.06	61.52	16.54	0.118
						23	24	0.37	6.35	57.64	18.4	0.134
						24	25	0.38	5.9	62.21	16.2	0.121
						25	26	0.23	6.14	59.74	17.71	0.139
						26	27	0.09	5.79	62.23	16.82	0.113
						27	28	0.09	6.29	63.69	15.63	0.117
						28	29	0.11	5.91	61.85	16.99	0.114
						29	30	0.21	5.76	61.88	16.87	0.143
						30	31	0.17	5.69	61.76	17.14	0.107
						31	32	0.28	5.84	60.63	17.21	0.127
						32	33	0.24	5.91	60.58	17.42	0.114
						33	34	0.14	5.84	61.15	17.35	0.138
						34	35	0.21	5.55	61.83	17	0.138
						35	36	0.22	5.83	60.49	17.36	0.146
						36	37	0.2	5.99	61.71	17.37	0.137
						37	38	0.28	5.81	61.37	16.74	0.115
						38	39	0.15	5.99	60.72	17.23	0.127
						39	40	0.17	5.81	61.44	16.71	0.123
						40	41	0.2	5.69	60.01	17.27	0.139
						41	42	0.19	5.7	59.54	17.11	0.155
FRB0242	263120.5	7421018	509.54	-90	0	8	9	10.76	10.48	42.89	11.22	0.276
						9	10	11.09	10.02	42.09	10.81	0.292
						10	11	22.29	10.53	30.23	7.29	0.27
						11	12	11.73	9.66	41.61	10.15	0.294
						12	13	9.63	7.94	36.26	9.25	0.232
						13	14	8.57	7.12	37.37	9.8	0.228
						14	15	8.39	7.3	36.75	9.53	0.237
						15	16	8.25	8.11	35.87	9.3	0.237
						16	17	7.07	6.9	43.02	11.24	0.243
						17	18	6.75	7.45	42.93	11.12	0.259
						18	19	9.2	7.83	33.67	8.33	0.221
						19	20	8.08	7.87	36.96	9.53	0.217
						20	21	7.5	7.55	39.74	10.53	0.227
						21	22	8.82	7.87	34.88	8.69	0.224
						22	23	7.69	7.86	41.81	9.02	0.229

						23	24	4.27	7.23	50.24	13.02	0.175
						24	25	7.58	6.59	42.47	8.54	0.214
						25	26	6.43	7.39	40.65	11.19	0.191
						26	27	8.78	7.79	35.95	8.2	0.233
						27	28	9.38	8.65	32.48	7.75	0.242
						28	29	9.52	7.91	32.31	8.17	0.246
						29	30	10	8.83	31.05	7.51	0.237
						30	31	10.57	8.57	29.28	7.26	0.275
						31	32	9.65	7.6	33.01	8.43	0.238
						32	33	10.67	7.85	30.5	7.52	0.24
						33	34	10.44	8.15	29.9	7.45	0.262
						34	35	8.32	6.64	36.84	9.37	0.243
						35	36	8.77	7.03	35.49	9.22	0.254
						36	37	7.86	6.18	38.86	10.11	0.242
						37	38	7.5	6.06	40.46	10.46	0.253
						38	39	9.33	6.44	34.3	8.52	0.21
						39	40	8.02	6.55	38.54	9.86	0.275
						40	41	7.96	6.68	41.23	10.26	0.226
						41	42	7.29	6.1	41.41	10.25	0.237
FRB0243	263159.1	7420928	509.88	-90	0	0	1	7.79	5.36	45.49	8.65	0.095
						1	2	0.56	3.4	39.27	7.24	0.101
						2	3	3.05	3.64	36.49	5.16	0.096
						3	4	2.31	4.26	38.92	5.85	0.114
						4	5	2.96	4.79	35.96	8.07	0.127
						5	6	11.58	5.12	31.94	7.84	0.19
						6	7	7.12	8.88	36.65	8.53	0.219
						7	8	10.62	6.85	37.8	8.9	0.194
						8	9	10.72	13.28	38.89	9	0.304
						9	10	13.27	12.84	39.68	9.21	0.329
						10	11	23.53	9.71	30.55	8.06	0.255
						11	12	15.69	8.69	40.61	9.98	0.266
						12	13	13.11	10.61	41.63	10.93	0.302
						13	14	17.98	9.41	36.9	9.87	0.253
						14	15	11.31	12.14	42.17	11.03	0.318
						15	16	11.39	11.61	40.94	10.71	0.331
						16	17	11.95	11.66	39.47	10.02	0.327
						17	18	10.08	8.82	40.17	10.47	0.295
						18	19	8.57	7.86	38.7	10.17	0.248
						19	20	10.67	8.93	37.65	9.59	0.264
						20	21	7.79	6.95	42	10.82	0.23

						21	22	9.69	7.97	32.76	7.82	0.229
						22	23	8.69	7.42	39.06	7.7	0.219
						23	24	4.65	6.88	49.31	11.78	0.208
						24	25	4.29	6.89	49.91	12.69	0.137
						25	26	8.98	7.25	37.73	7.07	0.211
						26	27	4.91	7.23	45.7	12.8	0.175
						27	28	8.09	7.53	39.1	8.41	0.198
						28	29	9.66	8.53	32.22	7.89	0.244
						29	30	9.98	8.77	30.77	7.57	0.243
						30	31	10.08	8.27	30.1	7.5	0.231
						31	32	10.14	8.34	31	7.83	0.238
						32	33	10.89	8.81	29.7	7.22	0.259
						33	34	9.63	7.81	33.82	8.72	0.254
						34	35	10.72	7.76	30.7	7.56	0.26
						35	36	10.59	7.97	30.44	7.64	0.263
						36	37	10.42	7.95	30.4	7.59	0.249
						37	38	9.7	6.76	34.27	8.56	0.235
						38	39	9.32	6.73	35.01	8.84	0.236
						39	40	8.1	6.54	37.58	9.93	0.254
						40	41	8.29	6.66	37.85	9.74	0.247
						41	42	7.77	6.09	39.99	10.55	0.254
FRB0244	263202.1	7420835	510.02	-90	0	0	1	6.39	4.92	27.23	5.11	0.077
						1	2	8.1	5.86	26.5	5.5	0.112
						2	3	10.14	6.52	27.95	6.01	0.16
						3	4	7	4.19	29.78	5.17	0.129
						4	5	6.42	6.03	32.3	6.68	0.214
						5	6	6.35	5.47	30.72	5.22	0.176
						6	7	6.82	4.93	26.26	4.75	0.178
						7	8	6.19	7.02	40.75	8.7	0.22
						8	9	5.88	7.79	40.78	9.12	0.199
						9	10	5.76	6.29	32.16	7.31	0.174
						10	11	3.57	4.68	28.36	6.29	0.151
						11	12	6.29	7.45	46.29	10.85	0.226
						12	13	7.4	8.18	47.65	11.26	0.263
						13	14	6.11	7.07	53.35	13.38	0.249
						14	15	10.18	10.99	45.43	10.2	0.321
						15	16	14.51	8.06	45.08	9.44	0.237
						16	17	7.49	8.11	50.85	13.35	0.298
						17	18	9.09	8.63	47.25	12.08	0.284
						18	19	11.58	10.49	40.79	9.67	0.275

						19	20	9.62	9.55	49.3	10.35	0.306
						20	21	4.6	7.26	53.97	12.16	0.189
						21	22	5.32	6.41	49.34	11.82	0.14
						22	23	8.79	7.32	39.4	7.62	0.227
						23	24	4.46	7.09	49.85	12.3	0.164
						24	25	7.53	7.18	41.46	8.88	0.196
						25	26	9.3	8.15	33.98	8.07	0.232
						26	27	9.53	8.57	32.41	7.95	0.265
						27	28	9.4	8.09	33.2	8.32	0.231
						28	29	10.08	8.31	31.51	7.71	0.257
						29	30	10.38	8.6	31.07	7.54	0.249
						30	31	10.06	8.26	32.3	8.1	0.235
						31	32	10.51	7.81	31.1	7.72	0.257
						32	33	10.93	8.2	29.53	7.12	0.237
						33	34	10.54	7.78	30.11	7.58	0.237
						34	35	9.34	6.69	35.21	9.04	0.25
						35	36	9.08	6.81	35.3	9.05	0.238
						36	37	8.8	6.56	36.51	9.67	0.267
						37	38	8.25	6.59	37.44	9.83	0.251
						38	39	8.05	6.02	38.91	10.17	0.249
						39	40	9.66	6.57	33.09	8.36	0.254
						40	41	8.51	6.3	36.99	9.63	0.252
						41	42	7.84	6.04	39.27	10.23	0.229
FRB0245	263244.6	7420743	510.04	-90	0	5	6	0.5	4.83	43.48	11.15	0.14
						6	7	0.3	4.98	51.99	13	0.099
						7	8	0.12	4.86	55.4	15.2	0.098
						8	9	0.23	6.32	61.25	16.17	0.148
						9	10	0.17	5.79	61.02	17.23	0.114
						10	11	0.36	6.26	59.98	17.14	0.143
						11	12	0.7	6.34	59.96	17.2	0.12
						12	13	0.23	5.99	60.64	17.62	0.126
						13	14	0.28	6.25	60.31	17.58	0.129
						14	15	0.55	6.63	57.94	18.19	0.113
						15	16	0.12	6.17	60.39	17.91	0.123
						16	17	0.22	6.53	60.67	17.09	0.148
						17	18	0.34	6.62	59.62	17.32	0.167
						18	19	0.14	6.55	60.97	16.73	0.107
						19	20	0.21	6.28	60.38	17.37	0.128
						20	21	0.33	6.42	61.01	16.83	0.132
						21	22	0.25	6.65	58.76	17.79	0.163

						22	23	0.39	6.22	60.9	16.63	0.129
						23	24	0.26	6.15	60.89	17.08	0.121
						24	25	0.47	5.73	60.98	16.21	0.102
						25	26	0.39	5.87	61.71	16.21	0.109
						26	27	0.33	5.93	60.67	16.92	0.133
						27	28	0.32	6.06	60.03	17.21	0.109
						28	29	0.26	5.94	61.41	16.67	0.117
						29	30	0.22	5.36	63.08	15.69	0.109
						30	31	0.2	5.8	58.97	17.94	0.16
						31	32	3.2	6.1	51.4	14.74	0.237
						32	33	3.94	6.57	48.59	13.69	0.224
						33	34	3.44	6.7	50.43	13.48	0.185
						34	35	7.05	8.11	39.29	10.38	0.215
						35	36	7.96	8.47	35.99	9.7	0.244
						36	37	7.35	8.02	36.62	9.48	0.244
						37	38	8.18	8.45	34.58	9.22	0.226
						38	39	7.14	7.62	41.86	10.97	0.253
						39	40	6.26	8.1	40.67	10.81	0.255
						40	41	6.03	8.1	40.02	10.57	0.251
						41	42	5.11	7.76	43.8	11.18	0.261
FRB0247	263007	7421019	509.59	-90	0	0	1	4.38	3.62	26.73	4.32	0.079
						1	2	1.88	4.07	25.17	3.39	0.068
						2	3	3.72	2.81	26.96	2.82	0.069
						3	4	0.07	2	33.45	4.05	0.065
						4	5	8.71	4.45	23.4	4.25	0.098
						5	6	10.92	8.44	36.26	8.05	0.202
						6	7	9.48	6	29.33	7.41	0.068
						7	8	10.85	8.37	43.31	10.16	0.212
						8	9	16.34	7.82	33.41	7.73	0.179
						9	10	9.49	7.39	42.42	9.9	0.176
						10	11	12.16	7.63	45.21	10.45	0.171
						11	12	11.57	6.84	46.33	11.74	0.255
						12	13	8.99	8.64	49.49	12.12	0.301
						13	14	6.5	7.58	53.08	13.36	0.287
						14	15	3.12	7.81	57.42	14.06	0.314
						15	16	4.94	5.65	57.84	13.95	0.317
						16	17	1.74	4.97	62.53	15.1	0.338
						17	18	0.78	6.13	63.14	14.73	0.358
						18	19	1.16	6.54	61.89	14.49	0.361
						19	20	0.72	6.16	63.02	15.16	0.379

FRB0248	263025.4	7420976	509.65	-90	0	0	1	3.95	7.07	35.85	7.6	0.135
						1	2	3.21	5.07	34.29	7.3	0.142
						2	3	0.57	1.44	35.86	4.6	0.068
						3	4	0.17	1.21	40.43	3.76	0.06
						4	5	3.16	4.72	37.78	6.38	0.137
						5	6	4.56	4	39.82	9.1	0.163
						6	7	4.54	6.46	43.61	9.67	0.217
						7	8	11.35	9.41	38.2	8.83	0.276
						8	9	13.3	10.86	41.34	10.07	0.318
						9	10	12.62	13.71	39.23	9.83	0.347
						10	11	22.96	9.65	31.68	7.71	0.3
						11	12	13.59	11.17	41.7	10.2	0.279
						12	13	13.46	12.49	39.69	10.13	0.295
						13	14	16.59	10.09	38.7	9.81	0.282
						14	15	13.4	10.61	42.15	10.61	0.294
						15	16	11.09	8.78	46.61	12.06	0.293
						16	17	8.39	8.86	47	11.97	0.283
						17	18	9.42	9.27	46.04	11.68	0.297
						18	19	11.54	10.37	42.29	10.59	0.297
						19	20	8.88	9.87	45.5	11.58	0.287
						20	21	9.29	8.41	37.75	9.4	0.248
No Significant Assay						21	22	-	-	-	-	-
						22	23	10	8.64	33.49	7.65	0.245
						23	24	7.73	8.25	43.04	9.28	0.253
						24	25	44.23	8.22	10.52	1.87	0.377
						25	26	8.2	6.93	40.92	7.79	0.217
						26	27	8.2	7.36	38.81	8.41	0.197
						27	28	9.07	7.63	35.68	8.08	0.214
						28	29	9.31	8.42	33.44	7.92	0.238
						29	30	9.23	8.09	32.62	8.23	0.221
FRB0263	262887.7	7420800	509.64	-90	0	4	5	7.74	5.33	43.51	10.36	0.117
						5	6	4.51	5.83	56.97	14.34	0.154
						6	7	5.49	7.15	54.88	13.7	0.185
						7	8	2.95	6.74	58.74	14.94	0.159
						8	9	6.46	6.65	54.45	13.54	0.242
						9	10	9.14	5.02	53.44	13.05	0.191
						10	11	6.66	8.72	53.15	12.28	0.261
						11	12	5.33	6.21	58.28	13.59	0.238
						12	13	3.97	6.77	49.32	11.56	0.206
						13	14	10.74	11.8	40.02	9.13	0.248

						14	15	15.94	7.13	43.35	9.97	0.326
						15	16	10.45	12.02	44.1	10.58	0.399
						16	17	20.25	12.6	31.95	7.3	0.343
						17	18	21.52	8.68	34.17	8.66	0.297
						18	19	7.6	8.83	50.98	12.87	0.297
						19	20	11.68	9.84	44.79	11.67	0.292
						20	21	6.89	9.51	50.37	12.87	0.332
						21	22	10.24	9.91	44.39	11.26	0.298
						22	23	9.58	9.38	44.84	11.74	0.294
						23	24	8.36	7.62	45.04	11.87	0.271
						24	25	8.31	7.64	41.02	10.93	0.263
						25	26	9.62	8.3	36.37	9.22	0.246
						26	27	8.28	7.87	37.78	9.92	0.227
						27	28	7.96	7.55	38.78	10.23	0.272
						28	29	9.53	8.66	35.79	8.84	0.226
						29	30	7.53	7.13	40.91	10.66	0.246
						30	31	9.73	8.94	36.2	8.58	0.25
						31	32	8.62	7.99	42.81	8.85	0.231
						32	33	4.98	7.54	49.47	13.07	0.208
						33	34	7.6	7.31	45.03	9.38	0.257
						34	35	8.61	7.12	41.01	7.25	0.231
						35	36	4.37	7.28	47.19	13.16	0.18
						36	37	8.63	7.53	37.94	8.32	0.199
						37	38	9.3	8.51	34.23	8.33	0.243
						38	39	10.21	8.37	31.87	7.81	0.216
						39	40	9.33	8.04	33.54	8.63	0.227
						40	41	9.56	8.72	32.52	8.26	0.208
						41	42	10.16	8.29	32.64	8.2	0.26
FRB0264	262907.5	7420757	509.83	-90	0	0	1	6.53	7.06	47.53	10.1	0.176
						1	2	4.97	6.96	44.63	9.67	0.2
						2	3	3.52	3.68	47.52	10.55	0.136
						3	4	1.44	2.4	45.71	7.52	0.094
						4	5	4.85	4.37	46.85	8.48	0.135
						5	6	6.01	7.25	53.25	13.68	0.163
						6	7	7.14	6.26	54.38	13.9	0.128
FRB0248	263025.4	7420976	509.65	-90	0	30	31	10.95	9.08	28.35	6.53	0.25
						31	32	10	8.16	31.97	7.79	0.241
						32	33	8.97	7.62	35.22	8.95	0.254
						33	34	10.11	7.64	32.25	7.91	0.255
						34	35	10.2	7.64	31.47	7.79	0.245

						35	36	9.55	6.98	33.58	8.4	0.234
						36	37	8.41	6.63	36.96	9.44	0.248
						37	38	8.66	6.76	36.52	9.33	0.25
						38	39	8.08	6.14	38.88	9.99	0.243
						39	40	7.47	5.98	41.31	10.79	0.246
						40	41	9.37	6.58	34.82	8.73	0.23
						41	42	8.48	6.1	38.6	9.91	0.245
FRB0249	263050.1	7420932	509.63	-90	0	0	1	1.92	6.07	57.93	11.33	0.083
						1	2	4.42	7.62	42.47	9.45	0.207
						2	3	4.42	5.35	48.31	9.87	0.17
						3	4	4.18	5.89	47.01	8.57	0.15
						4	5	0.88	2.8	48.44	11.59	0.139
						5	6	6.03	7.07	52.05	13.26	0.24
						6	7	10.46	5.34	49.45	12.95	0.244
						7	8	9.95	9.38	46.2	12.1	0.279
						8	9	13.22	11.71	39.79	10.17	0.311
						9	10	15.31	12.26	36.37	9.23	0.301
						10	11	18.84	9.69	34.12	8.76	0.289
						11	12	13.88	10.58	38.49	9.03	0.287
						12	13	9.39	8.57	34.86	8.76	0.246
						13	14	8.51	7.48	36.98	9.57	0.236
						14	15	8.77	7.27	36.27	9.33	0.228
						15	16	8.14	7.33	37.39	9.75	0.215
						16	17	8.5	8.06	34.95	9.15	0.243
						17	18	7.93	7.24	39.35	10.27	0.236
						18	19	7.67	7.11	39.36	10.3	0.246
						19	20	8.12	7.63	37.76	9.76	0.237
						20	21	7.92	7.78	38.24	10.02	0.228
						21	22	9.16	7.64	34.88	8.63	0.213
						22	23	7.62	7.21	39.45	10.29	0.232
						23	24	9.8	8.35	32.42	7.62	0.229
						24	25	8.83	6.79	39.73	7.57	0.207
						25	26	4.68	7.02	48.79	11.66	0.199
						26	27	7.38	6.62	42.51	8.69	0.205
						27	28	8.28	6.93	39.35	7.91	0.215
						28	29	6.99	7.38	40.51	9.97	0.193
						29	30	9.31	7.96	33.87	8.06	0.248
						30	31	9.23	8.35	32.77	8.2	0.25
						31	32	9.85	8.07	32.06	8.14	0.225
						32	33	9.8	8.34	32.06	7.88	0.24

						33	34	10.16	7.77	32.42	8.02	0.228
						34	35	9.67	7.66	32.28	7.91	0.247
						35	36	9.89	7.65	31.89	8.13	0.262
						36	37	9.5	7	33.31	8.47	0.235
						37	38	8.28	6.55	37.03	9.53	0.231
						38	39	8.44	6.32	36.71	9.5	0.236
						39	40	7.56	6.24	39.17	10.43	0.253
						40	41	8.43	6.46	36.75	9.43	0.228
						41	42	9.25	6.98	34.6	8.72	0.245
FRB0250	263068.3	7420890	509.69	-90	0	0	1	2.41	5.49	56.54	11.08	0.103
						1	2	3.49	5.04	38.59	8.16	0.092
						2	3	2.57	5.7	47.36	10.19	0.11
						3	4	0.82	2.47	45.87	7.39	0.064
						4	5	2.19	3.76	45.85	11.42	0.184
						5	6	6.76	7.29	50.75	12.81	0.195
						6	7	5.19	6.57	54.86	14.19	0.218
						7	8	8.01	8.64	49.54	12.99	0.224
						8	9	7.37	6.97	48.23	12.72	0.212
						9	10	9.87	10.36	41.42	10.67	0.292
						10	11	10.05	10.11	40.21	10.79	0.342
						11	12	11.04	9.86	39.65	10.15	0.319
						12	13	11.96	9.5	39.34	9.88	0.307
						13	14	11.01	10.52	38.64	10.33	0.285
						14	15	9.51	8.26	36.47	8.98	0.244
						15	16	9.63	7.57	33.73	8.74	0.218
						16	17	8.49	7.78	36.61	9.61	0.218
						17	18	8.67	7.46	35.68	9.37	0.246
						18	19	8.88	8.32	34.04	8.72	0.233
						19	20	7.22	6.85	42.09	11.17	0.239
						20	21	7.96	7.66	40.45	10.46	0.241
						21	22	5.67	6.94	46.12	12.36	0.257
						22	23	8.91	7.81	34.21	8.54	0.223
						23	24	8.18	7.62	37.63	9.77	0.235
						24	25	9.17	8.03	34.35	8.65	0.237
						25	26	7.66	7.36	39.38	10.26	0.248
						26	27	9.86	8.67	34.72	7.9	0.244
						27	28	7.52	7.5	42.64	10.08	0.259
						28	29	3.67	7.26	51.15	12.64	0.193
						29	30	5.62	6.52	46.48	11.09	0.182
						30	31	8.33	7.02	40.24	7.45	0.209

						31	32	3.91	7.61	47.27	14.06	0.16
						32	33	9.32	8.04	34.82	7.7	0.22
						33	34	9.38	8.14	33.82	8.24	0.206
						34	35	9.65	8.19	31.63	7.9	0.231
						35	36	10.04	8.34	31.81	7.8	0.22
						36	37	10.7	8.58	30.14	7.35	0.25
						37	38	10.14	8.55	31.35	7.79	0.256
						38	39	10.03	7.62	32.86	8.28	0.239
						39	40	10.42	8.04	30.99	7.55	0.217
						40	41	10.75	7.81	30.57	7.63	0.242
						41	42	9.14	6.64	35.22	9.19	0.247
FRB0251	263089.3	7420837	509.99	-90	0	0	1	4.56	6.52	45.51	9.47	0.15
						1	2	0.28	1.47	38.24	5.93	0.044
						2	3	3.33	4.35	30.3	4.03	0.151
						3	4	0.7	2.57	45.76	6.33	0.07
						4	5	2.64	3.46	44.98	9.63	0.12
						5	6	8.04	6.95	39.72	9.94	0.258
						6	7	7.37	10.13	43.9	11.18	0.245
						7	8	7.85	5.24	51.36	13.11	0.247
						8	9	13.89	7.19	43.59	11.04	0.254
						9	10	6.67	13.41	46.91	11.37	0.331
						10	11	17.88	9.89	37.43	9.27	0.289
						11	12	11.64	10.54	45.1	10.62	0.316
						12	13	9.35	11.62	45.48	10.09	0.29
						13	14	4.01	12.35	51.63	12.62	0.325
						14	15	11.6	11.24	44.09	10.53	0.303
						15	16	8.86	7.88	42.25	10.85	0.268
						16	17	8.52	7.65	37.21	9.61	0.242
						17	18	8.42	7.88	36.7	9.51	0.234
						18	19	8.64	8.03	35.37	9.17	0.229
						19	20	7.41	6.97	42.21	11.14	0.242
						20	21	7.86	7.62	39.47	10.27	0.263
						21	22	7.78	7.7	38.8	10.22	0.249
						22	23	8.4	7.92	36.51	9.36	0.235
						23	24	7.88	7.93	38.45	10.14	0.234
						24	25	9.24	7.97	35.39	8.72	0.225
						25	26	7.85	7.53	38.61	9.84	0.246
						26	27	9.96	8.88	33.42	7.58	0.232
						27	28	8.1	7.87	43.51	8.9	0.229
						28	29	3.85	7.25	52.11	12.02	0.193

						29	30	4.43	6.21	50.49	12.23	0.124
						30	31	8.36	7.2	40.16	7.75	0.24
						31	32	4.82	7.05	49.03	11.61	0.147
						32	33	8.62	7.72	37.17	7.73	0.212
						33	34	9.54	8.85	32.16	7.83	0.245
						34	35	9.62	9.05	31.02	7.59	0.277
						35	36	9.73	8.24	31.93	7.87	0.245
						36	37	9.72	9.12	32.04	7.7	0.246
						37	38	10.34	9.06	29.9	7.32	0.305
						38	39	9.33	7.96	34.49	8.79	0.259
						39	40	10.74	7.67	31.18	7.89	0.232
						40	41	10.7	8.29	29.96	7.46	0.262
						41	42	10.21	7.64	32.12	8.17	0.241
FRB0252	263112.7	7420794	510.12	-90	0	0	1	4.3	7.89	53.73	11.11	0.095
						1	2	6.28	4.6	36.98	7.93	0.096
						2	3	1.85	4.44	48.29	9.95	0.178
						3	4	3.93	5.33	40.31	7.89	0.135
						4	5	6.23	4.41	39.21	9.15	0.175
						5	6	7.9	7.68	46.19	11.32	0.226
						6	7	3.91	11.5	46.77	10.85	0.271
						7	8	7.32	8.43	39.45	9.52	0.254
						8	9	4.09	13.63	49.59	11.48	0.275
						9	10	8.16	11	48.65	11.33	0.251
						10	11	8.5	11.12	47.87	11.1	0.284
						11	12	13.49	9.99	42.41	10.44	0.362
						12	13	17.92	7.76	40.27	9.6	0.32
						13	14	13.95	8.97	42.72	10.89	0.29
						14	15	12.56	9.56	43.77	11.39	0.281
						15	16	10.94	9.21	45.55	11.66	0.303
						16	17	11.11	10.5	44.71	11.4	0.316
						17	18	10.02	9.27	42.79	10.62	0.266
						18	19	8.98	9.1	46.16	11.64	0.258
						19	20	7	7.55	46.2	12.43	0.285
						20	21	8.94	7.87	35.77	9.34	0.24
						21	22	8.32	7.95	37.24	9.71	0.231
						22	23	8.12	8.32	39.59	10.25	0.281
						23	24	8.73	8.06	39.76	9.92	0.248
						24	25	8.86	8.04	37.07	9.37	0.25
						25	26	9.88	8.82	35.25	8.19	0.231
						26	27	7.41	7.84	44.33	9.64	0.246

						27	28	4.3	7.24	52.86	11.71	0.205
						28	29	6.57	6.95	45.91	9.99	0.213
						29	30	8.56	7.34	40.78	8.18	0.241
						30	31	3.77	7.12	50.48	12.49	0.15
						31	32	7.01	7.33	42.24	9.42	0.195
						32	33	9.24	8.38	33.48	7.94	0.242
						33	34	9.51	9.02	31.57	7.68	0.275
						34	35	9.57	8.19	32.95	8.23	0.24
						35	36	10.15	8.08	32.14	7.79	0.246
						36	37	9.95	9.17	31	7.13	0.26
						37	38	10.29	8.51	31.55	7.64	0.256
						38	39	9.95	7.76	33.11	8.24	0.233
						39	40	10.08	7.78	32.45	8.18	0.244
						40	41	11.02	8.28	28.63	7.03	0.235
						41	42	10.07	7.28	32.83	8.37	0.239
FRB0253	263130.7	7420746	510.11	-90	0	15	16	44.2	8.16	10.54	1.88	0.37
						16	17	1.13	6.63	60.11	15.99	0.211
						17	18	1.87	4.96	62.95	15.06	0.165
						18	19	0.17	4.88	62.86	16.88	0.193
						19	20	1.01	5.29	61.54	16.1	0.176
						20	21	3.98	5.89	45.52	11.71	0.193
						21	22	6.86	7.64	51.99	12.43	0.281
						22	23	8.47	8.74	49.83	10.99	0.277
						23	24	13.48	9.45	43.62	9.04	0.252
						24	25	6.17	8.07	51.8	11.91	0.216
						25	26	6.3	8.23	52.49	11.24	0.226
						26	27	9.35	7.69	44.59	8.03	0.231
						27	28	8.6	7.62	44.68	8.94	0.247
						28	29	4.91	7.17	50.96	11.25	0.153
						29	30	6.17	7.09	44.33	10.65	0.175
						30	31	9.07	7.67	34.99	8.06	0.224
						31	32	9.2	8.2	34.2	8.28	0.231
						32	33	8.82	8.34	35.35	8.85	0.273
						33	34	9.75	7.88	32.72	8.15	0.222
						34	35	9.61	8.74	32.65	8.03	0.235
						35	36	9.94	8.65	31.89	7.96	0.244
						36	37	8.82	7.38	37.15	9.43	0.25
						37	38	9.59	7.39	34.02	8.61	0.245
						38	39	10.37	7.94	31.58	7.96	0.232
						39	40	10.69	8.14	29.85	7.26	0.248

						40	41	8.86	6.74	36.44	9.46	0.244
						41	42	9.31	6.83	34.71	8.74	0.228
FRB0254	263154.3	7420702	510.1	-90	0	20	21	1.02	5.81	59.53	17.48	0.278
						21	22	0.92	5.17	60.33	17.44	0.22
						22	23	0.65	6.42	59.45	17.61	0.281
						23	24	0.56	5.76	60.37	17.43	0.29
						24	25	1.79	6.41	58.3	16.76	0.224
						25	26	0.95	5.4	60.84	16.85	0.241
						26	27	0.91	6.03	59.68	16.73	0.257
						27	28	3.03	6.1	55.65	15.8	0.228
						28	29	2.31	6.32	56.08	16.11	0.228
						29	30	3.5	6.37	52.17	14.85	0.272
						30	31	5.14	6.22	47.45	13.33	0.239
						31	32	4.96	6.59	47.36	13.38	0.236
						32	33	3.75	6.19	50.84	14.24	0.228
						33	34	5.43	6.76	46.34	12.39	0.237
						34	35	8.16	8.09	35.65	9.01	0.216
						35	36	8.59	8.26	34.37	8.76	0.227
						36	37	8.4	7.57	36.38	9.34	0.215
						37	38	8.87	7.27	35.48	9.29	0.239
						38	39	7.82	7.44	37.44	9.66	0.226
						39	40	7.86	7.3	37.74	9.77	0.223
						40	41	7	7	43.69	11.59	0.244
						41	42	7.37	7.35	40.96	10.62	0.237
FRB0256	262893.1	7421026	509.27	-90	0	10	11	1.45	5.9	61.08	15.14	0.266
						11	12	2.34	9.58	55.81	13.94	0.328
						12	13	0.3	4.87	61.56	16.08	0.279
						13	14	0.11	4.9	63.1	16.38	0.34
						14	15	1.57	5.26	59.36	15.34	0.356
						15	16	5.92	5.56	51.99	13.22	0.302
						16	17	1.04	7.12	59.85	14.98	0.354
						17	18	1.23	6.16	60.56	15.43	0.349
						18	19	0.9	5.84	60.38	15.18	0.352
						19	20	0.82	6.36	60.43	14.99	0.362
FRB0257	262937.6	7420934	509.74	-90	0	5	6	3.58	6.12	50.05	12.18	0.218
						6	7	10.65	9.55	37.69	8.97	0.217
						7	8	9.97	9.78	33.44	8.57	0.286
						8	9	14.81	10.26	33.76	8.48	0.264
						9	10	16.79	9.37	36.66	9.24	0.27
						10	11	16.1	8.73	38.03	9.33	0.276

						11	12	14.32	9.58	40.86	10.57	0.285
						12	13	11.94	9.18	44.52	11.84	0.288
						13	14	15.98	9.91	39.19	10.02	0.312
						14	15	13.34	10.69	41.86	11	0.307
						15	16	12.99	7.86	45.89	11.91	0.291
						16	17	11.02	10.47	44.01	11.63	0.299
						17	18	14.56	10.39	40.77	10.48	0.299
						18	19	9.56	8.34	45.77	11.9	0.288
						19	20	8.66	8.02	43.43	11.32	0.298
						20	21	8.15	8.07	43.87	11.34	0.247
						21	22	10.38	9.02	35.53	8.48	0.247
						22	23	10.86	9.08	43.91	8.6	0.261
						23	24	5.31	7.55	50.99	12.78	0.188
						24	25	5.81	6.48	48.16	11.7	0.235
						25	26	9.1	7.39	38.83	7.18	0.249
						26	27	8.12	7.84	38.1	9.45	0.222
						27	28	8.51	7.5	37.15	9.03	0.224
						28	29	8.96	7.92	35.18	8.82	0.23
						29	30	8.64	7.43	35.82	9.19	0.221
						30	31	9.46	8.44	33.13	8.19	0.268
						31	32	10.74	8.42	30.42	7.48	0.25
						32	33	9.35	7.36	35	9.1	0.263
						33	34	10.02	7.19	33.14	8.38	0.249
						34	35	10.27	8.08	31.04	7.85	0.257
						35	36	9.49	7.01	34.89	8.87	0.245
						36	37	8.33	6.85	37.49	9.45	0.237
						37	38	8.88	7.11	35.95	9.06	0.251
						38	39	7.38	6.56	38.81	9.78	0.255
						39	40	6.97	6.09	39.79	9.4	0.247
						40	41					
						41	42	7.34	6.09	39.17	9.98	0.242
FRB0258	262978.3	7420842	509.86	-90	0	5	6	3.82	6.78	55.07	14.73	0.209
						6	7	1.79	5.64	61.66	15.46	0.159
						7	8	16.31	8.92	39.82	10.3	0.274
						8	9	0.68	2.62	66.5	17.2	0.172
						9	10	13.19	10.98	41.66	10.69	0.291
						10	11	12.62	5.87	48.65	12.42	0.264
						11	12	9.41	8.42	49.5	12.45	0.263
						12	13	7.79	11.63	47.69	11.52	0.354
						13	14	9.38	11.74	43.58	10.47	0.344

						14	15	12.1	10.32	39.08	9.2	0.298
						15	16	12.68	9.09	39.75	9.22	0.292
						16	17	10.6	9.99	38.85	12.09	0.227
						17	18	10.83	8.7	36.43	8.46	0.242
						18	19	8.92	7.57	36.2	9.06	0.252
						19	20	8.69	7.34	36.58	9.48	0.24
						20	21	8.72	7.4	36.59	9.34	0.228
						21	22	8.6	8.19	35.26	9.03	0.246
						22	23	7.11	6.98	43.49	11.43	0.254
						23	24	8.12	7.56	39.59	10.08	0.238
						24	25	7.8	7.31	39.58	10.03	0.227
						25	26	9.39	8.37	33.18	8.11	0.241
						26	27	7.47	7.69	39.53	10.31	0.264
						27	28	8.61	7.7	37.02	9.18	0.238
						28	29	8.46	7.74	37.02	9.27	0.245
						29	30	9.79	8.71	33.73	7.81	0.234
						30	31	6.98	7.87	44.73	9.84	0.252
						31	32	4.18	7.19	51.84	11.6	0.203
						32	33	6.3	6.74	46.09	10.03	0.209
						33	34	8.19	6.79	42.19	7.43	0.22
						34	35	4.85	6.92	46.36	12.18	0.171
						35	36	8.72	7.67	36.65	8.21	0.226
						36	37	9.19	8.49	34.56	8.2	0.227
						37	38	9.57	8.45	32.75	7.85	0.254
						38	39	9.72	8.34	32.47	7.96	0.247
						39	40	9.57	8.82	32.96	7.93	0.259
						40	41	9.69	7.99	34.29	8.46	0.249
						41	42	9.83	7.46	33.51	8.24	0.217
FRB0259	263021.5	7420750	510.09	-90	0	5	6	2.71	5.15	59.1	14.99	0.127
						6	7	4.11	5.01	58.53	14.51	0.226
						7	8	13.7	7.72	44.5	10.7	0.203
						8	9	3.87	6.05	58.65	14.72	0.217
						9	10	5.71	10.28	51.26	13.05	0.257
						10	11	9.1	4.72	53.32	13.33	0.221
						11	12	12.29	6.84	47.23	11.67	0.241
						12	13	14.32	9.39	42.69	10.15	0.351
						13	14	13.19	10.27	41.38	9.95	0.342
						14	15	11.66	9.45	41.42	10.35	0.323
						15	16	13.14	10.01	38.8	9.29	0.341
						16	17	11.4	11.38	38.38	10.5	0.293

						17	18	11.74	9.11	40.95	9.9	0.295
						18	19	10.55	8.96	42.26	10.69	0.278
						19	20	8.69	7.82	41.74	10.8	0.266
						20	21	8.86	7.61	36.5	9.32	0.238
						21	22	8.82	7.92	35.85	9.11	0.241
						22	23	7.75	7.26	41.75	10.86	0.243
						23	24	7.51	7.26	43.18	11.24	0.237
						24	25	6.88	7.3	42.97	11.18	0.253
						25	26	8.65	7.88	36.84	9.26	0.219
						26	27	8.93	8.14	35.18	8.82	0.24
						27	28	8.54	7.77	37.02	9.41	0.235
						28	29	7.94	7.53	39.2	10	0.252
						29	30	7.98	7.55	38.19	9.6	0.227
						30	31	9.69	8.98	34.57	8.27	0.245
						31	32	8.83	8.18	41.13	8.44	0.297
						32	33	4.61	7.53	50.91	11.8	0.188
						33	34	3.93	6.82	51.22	12.55	0.162
						34	35	7.96	7.31	43.1	8.73	0.265
						35	36	7.72	7.09	44.27	8.7	0.253
						36	37	5.19	7.14	46.99	11.27	0.177
						37	38	8.32	7.69	38.55	8.42	0.211
						38	39	8.6	8.28	35.32	8.64	0.239
						39	40	9.45	8.44	33.41	8.05	0.247
						40	41	9.01	8.11	34.86	8.58	0.233
						41	42	9.91	8.15	33.36	8	0.236
FRB0260	263064.7	7420661	510.1	-90	0	30	31	0.31	6.18	60.04	17.19	0.263
						31	32	0.68	6.22	59.53	16.97	0.267
						32	33	1.1	5.73	59.4	16.82	0.227
						33	34	1.36	6.06	58.14	16.7	0.264
						34	35	1.31	6.28	58.03	16.63	0.265
						35	36	1.18	5.99	59.88	16.11	0.21
						36	37	6.69	7.1	46.45	8.91	0.227
						37	38	5.91	8.13	44.45	10.37	0.246
						38	39	9.01	6.36	38.38	8.16	0.22
						39	40	7.69	6.86	39.58	9.86	0.23
						40	41	8.63	6.86	37.61	9.31	0.257
						41	42	8.4	6.74	37.79	9.98	0.263
FRB0261	262845.3	7420890	509.37	-90	0	0	1	2.75	6.47	57.82	11.64	0.146
						1	2	0.79	3.06	34.49	6.21	0.054
						2	3	3.39	2.19	31.64	4.06	0.073

						3	4	7.8	5.06	32.99	4.45	0.096
						4	5	13.1	10.97	42.08	9.05	0.224
						5	6	12.33	9.85	43.3	9.64	0.333
						6	7	8.84	8.8	48.3	11.23	0.265
						7	8	12.02	9.47	43.36	9.73	0.313
						8	9	12.22	11.18	40.93	8.96	0.337
						9	10	13.82	10.52	40.23	9.33	0.323
						10	11	9.21	7.05	34.62	8.1	0.226
						11	12	9.81	8.01	36.89	8.88	0.288
						12	13	17.61	9.28	31.6	7.44	0.277
						13	14	10.43	7.79	34.82	8.59	0.26
						14	15	11.16	7.35	43.52	11.17	0.274
						15	16	10.39	8.67	46.4	11.64	0.321
						16	17	10.37	8.1	46.93	12.32	0.325
						17	18	13.68	8.43	42.84	10.99	0.301
						18	19	8.71	6.93	38.51	9.5	0.258
						19	20	8.83	6.82	36.02	9.12	0.265
						20	21	9.02	6.34	36.88	9.34	0.244
						21	22	7.45	5.98	41.12	10.26	0.243
						22	23	7.77	6.17	40.25	9.84	0.228
						23	24	8.08	5.93	39.78	9.58	0.242
						24	25	7.46	5.74	41.49	10.02	0.225
						25	26	7.34	6.39	41.45	10.41	0.251
						26	27	6.95	5.86	42.31	10.74	0.243
						27	28	5.71	5.94	46	11.65	0.251
						28	29	6.21	5.97	45.17	11.54	0.256
						29	30	4.37	6	49	12.91	0.282
						30	31	3.51	6.01	51.77	13.42	0.303
						31	32	1	6.1	56.32	14.66	0.291
						32	33	3.66	5.57	54.67	13.56	0.312
						33	34	0.94	6.92	59.9	14.47	0.334
						34	35	1.66	6.49	59.46	14.82	0.343
						35	36	0.96	6.06	61.15	15.22	0.362
						36	37	1.09	5.76	60.53	14.6	0.312
						37	38	0.91	5.88	62.31	14.46	0.348
						38	39	0.68	5.98	62.11	14.05	0.349
						39	40	1.03	5.02	61.22	14.87	0.311
						40	41	0.87	5.69	63.55	14.19	0.336
						41	42	0.99	5.44	62.52	14.77	0.329
FRB0262	262866	7420844	509.58	-90	0	0	1	6.43	3.84	42.77	7.5	0.095

						1	2	2.76	1.8	21.12	3.9	0.05
						2	3	1.44	1.33	37.76	2.83	0.052
						3	4	3.51	4.09	48.4	6.79	0.096
						4	5	6.13	3.78	39.16	9.5	0.203
						5	6	10.38	6.09	48.36	11.88	0.224
						6	7	5.72	6.87	53.46	13.44	0.278
						7	8	9.05	9.05	41.15	10.26	0.213
						8	9	12.12	10.72	33.48	8.06	0.301
						9	10	11.37	7.71	39.06	9.93	0.271
						10	11	11.61	9.59	41.62	9.84	0.312
						11	12	9.06	8.88	33.21	8.36	0.263
						12	13	10.76	9.77	35.66	7.93	0.272
						13	14	7.1	7.05	40.85	10.05	0.245
						14	15	10.54	7.07	36.95	9.01	0.243
						15	16	11.24	7.69	39.65	9.74	0.226
						16	17	14.37	10.17	41.01	10.04	0.291
						17	18	10.22	8.88	47.98	11.9	0.297
						18	19	10.72	9.47	47.04	11.57	0.279
						19	20	8.31	9.04	49.74	12.51	0.305
						20	21	7.92	9.29	48.21	11.85	0.305
						21	22	10.68	8.67	41.18	10.43	0.262
						22	23	8.72	7.98	39.6	10.1	0.264
						23	24	8.87	7.93	40.13	9.88	0.247
						24	25	10.37	9.93	34.78	8.2	0.274
						25	26	9.78	9.17	41.56	8.92	0.293
						26	27	6.03	7.96	50.23	11.4	0.209
						27	28	5.16	6.65	49.03	12.14	0.193
						28	29	9.12	7.33	40.96	7.52	0.22
						29	30	5.55	7.42	44.9	11.87	0.199
						30	31	9.14	7.81	36.29	7.69	0.209
						31	32	9.21	8.56	33.73	8.15	0.261
						32	33	9.16	8.51	33.45	8.16	0.265
						33	34	10.02	8.27	31.69	7.72	0.222
						34	35	10.45	9.52	29.37	6.87	0.289
						35	36	10.17	8.17	31.79	7.78	0.242
						36	37	9.85	7.7	32.63	8.17	0.273
						37	38	10.96	8.54	29.6	6.97	0.227
						38	39	10.27	8.34	30.9	7.48	0.257
						39	40	8.53	6.3	37.68	9.6	0.233
						40	41	8.12	6.6	37.95	9.7	0.258

						41	42	8.32	6.44	38	9.97	0.271
FRB0263	262887.7	7420800	509.64	-90	0	0	1	1.16	4.32	45.69	8.37	0.063
						1	2	4.17	4.62	41.33	7.89	0.087
						2	3	0.65	1.8	39.2	3.54	0.06
						3	4	1.77	2	48.9	4.54	0.058
FRB0264	262907.5	7420757	509.83	-90	0	7	8	5.4	6.9	55.84	14.43	0.138
						8	9	2.57	5.7	59.94	15.97	0.233
						9	10	3.78	7.12	57.31	14.86	0.2
						10	11	4.33	5.79	57.97	14.92	0.171
						11	12	6.61	6.73	54.83	13.6	0.248
						12	13	6.75	7.79	53.88	13.06	0.226
						13	14	9.35	9.98	48.07	11.84	0.238
						14	15	0.59	4.73	64.35	16.56	0.268
						15	16	5.04	8.8	54.55	13.61	0.261
						16	17	10.63	12.18	39.97	9.73	0.301
						17	18	7.96	11.86	47.21	11.68	0.358
						18	19	11.14	10.65	44.97	10.85	0.364
						19	20	14.26	10.08	43.1	9.58	0.338
						20	21	10	11.01	46.8	10.96	0.305
						21	22	7.38	10.43	49.83	12	0.339
						22	23	8	9.19	43.12	10.61	0.284
						23	24	8.62	7.28	38.24	10.01	0.239
						24	25	9.23	7.29	36.61	9.68	0.241
						25	26	9.35	7.99	33.6	8.75	0.231
						26	27	8.53	7.97	37.98	9.95	0.25
						27	28	7.66	7.4	43.38	11.54	0.244
						28	29	6.81	7.09	44.59	12.01	0.256
						29	30	8.93	8.21	37.44	9.79	0.254
						30	31	7.76	7.71	39.49	10.47	0.246
						31	32	8.64	7.95	38.19	9.99	0.261
						32	33	8.57	7.92	40.05	10.28	0.263
						33	34	9.11	8.43	35.55	8.93	0.235
						34	35	10.05	9.38	36.33	8.42	0.235
						35	36	5.32	8.45	47.68	13.04	0.238
						36	37	6.42	7.23	48.71	11.36	0.22
						37	38	6.31	7.1	47.86	11.16	0.216
						38	39	9.23	7.69	41.2	8.22	0.265
						39	40	5.18	7.55	47.95	12.8	0.167
						40	41	7.34	7.27	42.87	9	0.183
						41	42	9.19	8.27	35.2	8.34	0.214

FRB0265	262929.3	7420710	509.95	-90	0	0	1	1.14	6.72	66.57	12.3	0.063
						1	2	0.46	4.29	50.04	10.27	0.114
						2	3	3.41	2.58	45.07	5.8	0.106
						3	4	0.13	0.67	41.29	1.38	0.042
						4	5	4.86	5.41	50.14	11.92	0.136
						5	6	5.15	6.58	52.45	13.86	0.151
						6	7	3.52	8.01	56.05	14.46	0.226
						7	8	0.44	4.33	64.55	16.9	0.201
						8	9	5.67	6.91	55.57	14.09	0.248
						9	10	5.93	6.2	56.18	14.02	0.219
						10	11	6.41	6.87	55.07	13.75	0.231
						11	12	7.36	6.9	52.64	13.29	0.286
						12	13	10.55	9.72	46.44	11.83	0.301
						13	14	16.1	9.56	30.98	7.29	0.402
						14	15	7.16	12.9	43.02	10.15	0.271
						15	16	10.69	8.69	42.6	10.05	0.276
						16	17	14.42	10.08	41.62	9.47	0.308
						17	18	11.63	11.74	42.36	11.49	0.302
						18	19	10.88	8.89	47.34	11.93	0.284
						19	20	12.37	9.14	44.5	11.53	0.298
						20	21	10.95	9.49	46.1	12.09	0.299
						21	22	6.35	10.91	49.67	13.02	0.326
						22	23	9.95	10.26	43.92	11.48	0.31
						23	24	8.44	7.7	46.94	12.62	0.277
						24	25	9.56	9.47	42.83	11.06	0.284
						25	26	7.92	7.93	43.09	11.37	0.262
						26	27	10.09	8.79	35.74	8.96	0.261
						27	28	8.64	8.16	39.49	10.32	0.269
						28	29	7.93	7.9	41.71	11.15	0.267
						29	30	8.16	8.11	44.68	11.46	0.277
						30	31	8.9	8.23	38.29	9.67	0.261
						31	32	10.28	8.93	35.07	8.34	0.244
						32	33	8.78	8.54	43.69	8.66	0.249
						33	34	4.39	7.47	53.29	12.46	0.201
						34	35	6.2	6.94	48.54	11.25	0.206
						35	36	9.07	7.37	42.17	8.34	0.225
						36	37	4.92	7.3	49.84	12.16	0.172
						37	38	4.82	6.98	48.02	12	0.165
						38	39	8.66	7.48	37.87	8.3	0.221
						39	40	9.16	8.43	33.87	8.45	0.249

						40	41	9.57	7.94	33.2	8.41	0.222
						41	42	9.47	8.47	32.59	8.09	0.253
FRB0266	262950	7420667	510.07	-90	0	0	1	0.58	4.3	38.73	7.86	0.074
						1	2	8.51	2.98	28.55	5.11	0.092
						2	3	5.28	1.39	36.14	3.59	0.079
						3	4	0.09	1.42	42.17	3.56	0.051
						4	5	6.04	8.31	41.7	10.26	0.222
						5	6	3.74	4.3	52.71	13.59	0.18
						6	7	4.92	8.66	54.78	13.7	0.191
						7	8	11.14	5.11	50.18	12.64	0.108
						8	9	10.88	10.17	43.88	11.1	0.214
						9	10	12.84	11.49	35.77	9	0.241
						10	11	10.25	10.06	43.2	10.75	0.323
						11	12	15.45	10.58	38.02	9.2	0.297
						12	13	10.09	9.64	37.13	9.48	0.279
						13	14	20.54	11.68	26.25	6.89	0.219
						14	15	10.87	8.77	41.32	9.94	0.239
						15	16	11.47	7.98	37.26	9.02	0.26
						16	17	9.46	8.79	47.78	11.8	0.273
						17	18	10.47	9.94	45.45	11.24	0.314
						18	19	12.73	8.83	44.67	11.23	0.305
						19	20	8.45	8.98	49.66	12.87	0.292
						20	21	9.51	10.37	46.46	12.15	0.303
						21	22	7	8.02	52.04	13.78	0.28
						22	23	11.69	10.74	43.76	10.84	0.34
						23	24	9.46	9.53	46.05	11.98	0.31
						24	25	8.09	8.53	47.47	12.38	0.298
						25	26	8.19	8.41	46.56	12.05	0.255
						26	27	10.74	9.12	41.07	10.07	0.261
						27	28	10.9	10	41.09	9.5	0.289
						28	29	7.87	8.06	49.71	10.58	0.254
						29	30	4.34	7.72	54.98	12.69	0.218
						30	31	5.74	6.66	53.25	12.57	0.175
						31	32	9.05	7.85	42.69	9.15	0.249
						32	33	6.51	7.6	46.03	10.91	0.208
						33	34	6.39	7.11	45.01	10.15	0.191
						34	35	9.03	8.02	35.4	8.25	0.256
						35	36	9.12	8.25	34.57	8.56	0.245
						36	37	9.52	8.71	32.38	8.04	0.274
						37	38	9.65	7.84	33.14	8.41	0.223

						38	39	9.7	8.56	33.05	8.24	0.238
						39	40	9.45	8.82	32.53	8.7	0.266
						40	41	9.41	8.42	34.34	8.51	0.291
						41	42	8.77	7.26	36.79	9.54	0.243
FRB0267	262971.6	7420620	510.08	-90	0	7	8	0.48	5.22	62.43	15.84	0.044
						8	9	0.14	6.09	62.76	16.98	0.072
						9	10	0.72	5.99	62.12	16.38	0.083
						10	11	0.87	5.72	62.12	16.69	0.071
						11	12	0.67	6.47	61.68	16.66	0.095
						12	13	1.19	5.39	62.42	16.54	0.074
						13	14	0.21	6.81	61.82	17.01	0.095
						14	15	0.48	7.33	60.4	17	0.113
						15	16	0.34	6.61	60.96	17.41	0.092
						16	17	0.54	6.66	60.58	17.42	0.111
						17	18	0.74	6.6	60.15	17.71	0.13
						18	19	0.06	5.31	63.54	17.16	0.151
						19	20	3.22	7.52	56.46	15.65	0.188
						20	21	8.38	9.46	48.56	13.03	0.211
						21	22	8.64	10.54	47.55	12.52	0.283
						22	23	9.09	7.8	50.18	13.24	0.288
						23	24	13.8	7.92	44.83	11.29	0.339
						24	25	2.94	12.23	54.28	13.52	0.408
						25	26	13.65	9.42	44.58	10.56	0.309
						26	27	6.35	13.17	50.73	10.86	0.305
						27	28	8.38	8.56	51.42	12.54	0.259
						28	29	8.17	11.71	43.96	11.42	0.251
						29	30	9.9	9.86	43.2	10.12	0.243
						30	31	10	9.25	37.14	9.2	0.279
						31	32	9.68	8.96	34.48	8.55	0.251
						32	33	8.68	7.88	36.66	9.59	0.24
						33	34	10.13	9.35	31.89	7.31	0.261
						34	35	9.24	8.71	34.25	9.25	0.239
						35	36	8.63	7.51	37.95	9.7	0.275
						36	37	10.3	7.32	32.63	8.1	0.248
						37	38	9.8	7.97	33.51	8.72	0.263
						38	39	10.03	7.32	32.55	8.27	0.232
						39	40	8.9	6.78	35.73	9.13	0.24
						40	41	8.9	6.93	35.94	9.43	0.246
						41	42	7.49	6.32	40.5	10.83	0.264
FRB0268	262520.7	7420411	509.35	-90	0	0	1	1.04	7.01	70.71	9.5	0.062

						1	2	2.37	11.6	52.07	10.18	0.075
						2	3	0.98	5.8	41.06	9.82	0.044
						3	4	0.13	3.08	50.48	13.85	0.017
						4	5	0.23	4.81	52.95	21.91	0.022
						10	11	0.28	5.66	53.72	22.96	0.024
						11	12	0.21	5.84	52.45	24.8	0.024
						12	13	0.24	4.74	53.19	24.65	0.016
						13	14	0.21	4.59	55.34	24.61	0.014
						14	15	0.22	3.8	43.21	19.7	0.011
						15	16	0.38	6.37	43.83	22.4	0.015
						16	17	0.38	8.69	41.66	21.98	0.019
						17	18	0.11	18.28	32.87	26.32	0.028
						18	19	0.57	20.91	30.46	24.74	0.032
						19	20	2.39	19.94	29.82	24.08	0.033
						20	21	3.24	21.4	28.28	21.93	0.034
						21	22	1.83	14.29	36.58	24.91	0.033
						22	23	0.57	18.62	38.28	20.7	0.032
						23	24	1.48	16.15	45.48	17.23	0.038
						24	25	1.98	14.57	49.13	15.7	0.039
						25	26	8.79	10.44	45.22	13.99	0.057
						26	27	6.73	13.23	44.73	13.98	0.074
						27	28	8.29	9.74	47.61	13.87	0.072
						28	29	9.94	9.31	46.21	12.88	0.11
						29	30	7.87	7.06	43.97	11.03	0.131
						30	31	8.44	7.06	43.94	10.94	0.169
						31	32	13.53	5.66	41.82	9.9	0.192
						32	33	6.77	9.35	49.91	11.75	0.27
						33	34	6.93	5.37	49.28	12.54	0.222
						34	35	11.08	6.99	48.02	12.4	0.26
						35	36	8.36	7.6	50.61	13.23	0.258
						36	37	2.93	6.28	59.23	15.45	0.228
						37	38	13.95	5.81	45.56	12.23	0.25
						38	39	10.01	7.54	48.1	13.03	0.292
						39	40	11.79	7.49	45.78	12.28	0.31
						40	41	10.95	10.1	44.41	11.56	0.331
						41	42	5.58	9.36	51.67	13.54	0.323
FRB0269	262476.4	7420498	509.49	-90	0	0	1	2.76	14.82	55.03	11.07	0.102
						1	2	2.37	14.19	51.44	13.29	0.077
						2	3	0.41	6.66	56.63	18.03	0.024
						3	4	0.1	6.43	53.75	21.39	0.014

						4	5	0.29	7.39	47.58	25.32	0.016
						11	12	0.33	6.25	44.09	29.47	0.016
						12	13	2.25	9.87	39.72	26.28	0.02
						13	14	2.24	12.06	37.88	25.16	0.017
						14	15	7.45	12.15	32.21	22.85	0.027
						15	16	9.13	16.88	27.85	18.79	0.055
						16	17	4.18	23.94	27.97	16.57	0.16
						17	18	0.65	16.89	37.26	21.82	0.024
						18	19	0.56	15.25	41.44	20.59	0.024
						19	20	1.85	17.72	42.98	15.53	0.025
						20	21	0.39	6.17	68.27	13.12	0.021
						21	22	9.74	9.4	48.89	11.7	0.057
						22	23	15.78	13.36	35.72	9.45	0.096
						23	24	12.92	11.49	41.23	11.01	0.101
						24	25	14.95	10.16	39.56	10.95	0.12
						25	26	14.14	10.63	39.07	11.31	0.111
						26	27	15.33	12.34	36.53	10.6	0.105
						27	28	8.38	11.87	46.68	12.42	0.068
						28	29	12.01	9.36	45.15	11.78	0.087
						29	30	13.1	9.41	45.03	10.53	0.094
						30	31	6.17	7.56	57.03	12.41	0.074
						31	32	8.22	5.75	55.06	12.92	0.141
						32	33	10.61	8.17	48.19	11.85	0.23
						33	34	7.78	6.54	45.89	11.11	0.249
						34	35	9.94	6.98	37.32	9.37	0.234
						35	36	8.48	6.14	42.65	10.7	0.209
						36	37	12.28	7.28	48.05	10.75	0.236
						37	38	6.26	7.25	53.49	14.04	0.274
						38	39	8.88	6.9	51.23	12.41	0.328
						39	40	7.96	6.76	51.91	13.2	0.301
						40	41	8.15	7.12	51.97	13.14	0.288
						41	42	8.45	7.61	50.86	13.12	0.304
FRB0270	262434.7	7420589	509.45	-90	0	0	1	3.12	17.68	52.21	9.98	0.123
						1	2	3.04	29.73	36.35	9.16	0.113
						2	3	0.97	23.55	39.86	14.91	0.065
						3	4	0.18	24.34	32.26	19.46	0.029
						4	5	0.28	18.51	35.35	23.01	0.02
						15	16	0.06	9.78	41.11	28.81	0.023
						16	17	1.68	19.61	33.12	21.7	0.045
						17	18	0.87	18.64	36.43	21.57	0.035

						18	19	1.95	12.4	50.77	16.56	0.026
						19	20	0.91	13.73	52.1	15.46	0.021
						20	21	0.3	8.22	63.86	14.03	0.025
						21	22	0.72	9.56	60.03	14.78	0.035
						22	23	2.68	11.65	54.43	13.97	0.039
						23	24	5.99	11.79	51.06	12.19	0.049
						24	25	11.31	11.87	42.6	11.51	0.086
						25	26	9.32	13.36	45.87	10.1	0.151
						26	27	12.25	16.71	37.02	9.17	0.15
						27	28	8.51	14.52	43.67	11.67	0.097
						28	29	7.07	11.73	49.57	12.33	0.093
						29	30	6.51	9.22	53.52	12.82	0.11
						30	31	5.55	9.21	52.4	12.7	0.105
						31	32	5.95	12.37	46.56	11.16	0.181
						32	33	17.4	8.35	40.3	10.26	0.148
						33	34	1.94	9.24	59.08	13.6	0.206
						34	35	12.57	7.21	45.92	10.94	0.127
						35	36	9.89	5.47	37.55	9.13	0.116
						36	37	15.23	7.2	41.45	10.31	0.182
						37	38	14.1	8.31	42.6	10.99	0.271
						38	39	13.22	8.28	44.31	11.45	0.337
						39	40	13.47	7.83	44.17	11.5	0.281
						40	41	13.64	8.14	43.79	11.61	0.274
						41	42	1.3	3.66	64.61	16.65	0.31
FRB0271	262391.9	7420680	509.73	-90	0	0	1	0.95	9.77	66.53	9.6	0.081
						1	2	1.73	11.58	60.33	9.73	0.078
						2	3	2.19	11.71	50.41	8.75	0.07
						3	4	0.43	11.89	41.21	12.98	0.027
						14	15	2.15	19.49	33.54	20.65	0.046
						15	16	12.7	12.1	30.78	17.33	0.07
						16	17	8.52	12.55	41.92	14.82	0.061
						17	18	16.76	8.89	37.9	12	0.066
						18	19	13.7	11.53	37.83	12.68	0.069
						19	20	9.27	10.14	46.11	13.6	0.058
						20	21	18.85	7.26	38.04	11.67	0.063
						21	22	4.88	12.01	50.75	13.88	0.066
						22	23	12.11	14.67	36.56	11.81	0.105
						23	24	14.4	9.35	41.79	11.41	0.137
						24	25	13.67	17.87	33.23	8.68	0.244
						25	26	9.59	11.34	47.13	11.5	0.1

						26	27	10.6	13.42	44.45	9.97	0.114
						27	28	6.53	13.86	49.47	11.09	0.119
						28	29	5.64	8.58	56.89	12.43	0.169
						29	30	12.17	10.99	43.29	9.98	0.162
						30	31	17.11	10.81	37.74	8.85	0.177
						31	32	16.91	8.62	41.22	9.8	0.151
						32	33	10.63	7.15	43.16	10.53	0.144
						33	34	12.54	7.57	44.49	11.22	0.187
						34	35	16.52	8.13	41.48	10.4	0.247
						35	36	7.57	6.99	53.17	13.95	0.277
						36	37	13.15	9.02	43.91	11.24	0.31
						37	38	14.21	8.62	43.26	11.1	0.286
						38	39	13.84	8.33	43.56	11.01	0.287
						39	40	13.86	7.86	43.73	11.31	0.293
						40	41	13.16	9.59	42.81	11.13	0.324
						41	42	17.07	9.55	38.27	9.74	0.268
FRB0272	262257.7	7420730	510.77	-90	0	0	1	2.59	15.86	57.5	8.89	0.099
						1	2	2.36	22.72	44.6	10.78	0.093
						2	3	1.3	15.62	53.76	11.53	0.069
						3	4	0.15	4.13	57.79	12.18	0.014
						4	5	0.2	6.4	52.99	19.38	0.013
						5	6	0.07	5.89	52.32	22.32	0.012
						6	7	0.08	6.68	49.96	24.46	0.017
						7	8	0.06	8.52	46.41	26.19	0.016
						8	9	0.96	11.36	40.22	26.29	0.018
						9	10	2.04	8.76	40.24	28.17	0.022
						10	11	1.58	10.74	39.7	27.22	0.022
						11	12	0.91	9.74	42.75	26.5	0.02
						12	13	0.21	6.93	46.61	27.21	0.014
						13	14	3	18.89	38.86	17.11	0.027
						14	15	1.94	9.03	53.72	16.27	0.022
						15	16	0.87	3.11	26.79	7.34	0.011
						16	17	0.92	3.67	41.06	10.12	0.013
						17	18	1.13	1.63	26	5.15	0.004
						18	19	0.82	3.71	51.4	9.72	0.023
						19	20	0.61	3.47	44.2	8.55	0.025
FRB0273	262462.1	7420771	509.27	-90	0	0	1	2.04	17.04	50.38	11.65	0.085
						1	2	1.64	15.53	53.97	11.12	0.072
						2	3	3.14	5.1	65.31	8.43	0.023
						3	4	11.72	5.14	53.7	7.44	0.023

						4	5	14.22	9.89	38.7	9.01	0.045
						5	6	7.67	11.08	46.74	11.54	0.031
						6	7	22.73	9.11	31.47	8.72	0.085
						7	8	18.55	10.82	34.94	9.15	0.137
						8	9	10.12	12.73	43.69	10.88	0.099
						9	10	10.7	16.15	39.92	9.65	0.11
						10	11	12.8	11.36	42.84	10.55	0.067
						11	12	14.11	12.12	40.84	9.44	0.148
						12	13	15.81	10.04	41.52	9.27	0.198
						13	14	19.26	10.92	35.35	8.48	0.266
						14	15	12.85	11.31	43.16	10	0.226
						15	16	8.45	12.28	48.81	10.51	0.171
						16	17	8.89	8.66	51.85	11.75	0.149
						17	18	3.06	6.64	62.01	13.61	0.162
						18	19	4.81	6.65	58.63	13.47	0.205
						19	20	13.17	6.59	49.04	10.48	0.182
						20	21	9.27	6.61	52.07	12.47	0.188
						21	22	11.1	7.82	47.4	11.57	0.245
						22	23	10.34	8.42	46.93	11.54	0.325
						23	24	9.04	7.15	43.64	11.04	0.301
						24	25	10.78	7.6	47.12	12.02	0.305
						25	26	12.85	7.94	44.23	11.45	0.282
						26	27	11.37	7.6	46.22	12.15	0.339
						27	28	10.26	6.98	47.66	12.54	0.295
						28	29	10.06	8.6	47.95	11.98	0.289
						29	30	6.69	6.78	54.64	13.75	0.294
						30	31	8.41	6.33	50.84	12.9	0.27
						31	32	7.16	6.08	44.69	11.23	0.252
						32	33	6.88	5.65	43.64	11.09	0.239
						33	34	6.43	6.23	43.87	11.03	0.247
						34	35	6.08	6.04	45.15	11.6	0.242
						35	36	5.4	5.35	47.49	12.35	0.255
						36	37	3.8	5.59	51.71	13.73	0.289
						37	38	3.5	6.06	52.07	13.75	0.295
						38	39	3.48	5.83	52.1	13.84	0.308
						39	40	2.36	6.23	53.51	14.18	0.306
						40	41	1.75	5.98	53.85	14.16	0.308
						41	42	1.39	5.99	56.89	14.92	0.316
FRB0274	262503.5	7420677	509.01	-90	0	0	1	2.18	12.83	56.23	11.42	0.085
						1	2	0.85	8.75	56.81	12.83	0.035

						2	3	0.14	8.62	54.5	15.68	0.019
						3	4	0.18	13.01	44.1	19.7	0.021
						4	5	0.19	14.38	37.42	24.78	0.022
						5	6	0.47	14.58	37.7	24.04	0.018
						6	7	0.6	20.7	31.25	22.78	0.028
						7	8	0.27	21.48	30.85	22.51	0.028
						8	9	0.46	21.91	31.58	21.2	0.035
						9	10	0.47	18.45	36.92	21.04	0.029
						10	11	2.5	17.03	40.24	17.61	0.026
						11	12	1.83	18.82	39.8	16.96	0.03
						12	13	7.25	16.51	37.67	14.75	0.035
						13	14	0.9	13.65	50.8	15.79	0.023
						14	15	0.99	10.07	55.45	16.28	0.028
						15	16	0.5	9.22	59.23	15.55	0.041
						16	17	2.78	9.59	56.97	14.26	0.062
						17	18	1.45	2.37	71.82	13.32	0.058
						18	19	8.46	2.75	59.06	13.39	0.082
						19	20	9.45	6.67	53.01	12.26	0.063
						20	21	6.36	6.79	61.36	10.24	0.068
						21	22	2.62	4.66	62.06	15.78	0.097
						22	23	5.61	6.19	59.84	12.74	0.157
						23	24	11.17	9.59	47.79	10.75	0.144
						24	25	16.85	10.51	35.19	8.14	0.19
						25	26	16.82	9.23	33.66	8.34	0.149
						26	27	14.41	11.44	40.48	9.6	0.189
						27	28	16.93	11.04	38.2	9.26	0.206
						28	29	18.44	10.62	36.8	8.77	0.228
						29	30	12.28	12.11	42.36	10.44	0.343
						30	31	13.69	11.01	41.56	10.47	0.326
						31	32	16.79	10.68	38.23	9.57	0.338
						32	33	16.83	11.02	37.5	9.54	0.356
						33	34	10.47	9.88	46.31	11.87	0.324
						34	35	11.49	12.39	41.74	10.66	0.344
						35	36	13.04	5.62	42.94	11.23	0.286
						36	37	10.99	8.98	44.76	12.2	0.321
						37	38	8.24	6.84	45.88	11.87	0.298
						38	39	8.25	5.75	43.47	11.82	0.296
						39	40	9.49	6.8	35.65	9.15	0.25
						40	41	8.7	6.42	38.26	9.86	0.253
						41	42	8.65	6.29	38.4	9.81	0.233

FRB0275	261017.6	7415873	524.03	-90	0	10	11	0.49	5.64	60.83	17.3	0.16
						11	12	0.97	5.68	61.93	16.44	0.116
						12	13	0.8	5.87	60.78	17.3	0.125
						13	14	1.34	6.16	61.05	16.47	0.192
						14	15	1.76	6.75	59.54	16.21	0.167
						15	16	0.09	5.77	62.95	16.87	0.176
						16	17	1.72	7.51	59.19	15.1	0.201
						17	18	8.71	11.17	42.37	10.83	0.414
						18	19	11.34	13.18	31.85	7.93	0.258
						19	20	9.61	10.38	32.79	8.52	0.234
						20	21	9.46	9.27	33.78	8.69	0.255
						21	22	9.85	8.91	33.29	8.42	0.237
						22	23	10.44	9.02	31.05	7.91	0.211
						23	24	10.04	9.68	31.33	7.91	0.272
						24	25	9.82	8.47	33.6	8.8	0.228
						25	26	9.91	7.76	33.3	8.8	0.219
						26	27	8.58	8.05	37.64	10.03	0.257
						27	28	9.38	8.77	34.54	9.04	0.245
						28	29	9.45	8.22	34.34	9.16	0.251
						29	30	9.42	9.53	33.29	8.73	0.302
						30	31	8.63	8.1	37.17	10.06	0.25
						31	32	9.41	9.27	34.08	8.74	0.221
						32	33	8.19	9.83	36.03	9.58	0.287
						33	34	8.91	9.04	35.88	9.09	0.249
						34	35	8.1	9.75	37	9.68	0.238
						35	36	7.28	10.5	38.24	9.9	0.249
						36	37	9.51	10.93	33.93	7.96	0.334
						37	38	8.2	11.77	35.9	8.46	0.253
						38	39	9.21	11.35	34.08	7.76	0.263
						39	40	9.96	11.21	32.29	7.52	0.267
						40	41	7.55	11.39	36.37	9.23	0.255
						41	42	8.62	9.88	35.47	9.04	0.236
FRB0276	261195	7415556	523.44	-90	0	0	1	8.69	16.82	31.36	8.49	0.404
						1	2	5.4	5.32	29.58	6.87	0.159
						2	3	8.25	8.37	37.89	8.47	0.238
						3	4	7.76	8.7	40.06	8.95	0.285
						4	5	5.04	6.05	44.78	9.67	0.173
						5	6	12.47	11.02	36.93	8.78	0.281
						6	7	12.4	7.9	40.53	10.33	0.264
						7	8	8	8.25	47.17	11.76	0.293

						8	9	8.12	7.97	49.54	12.25	0.33
						9	10	13.14	10.26	41.27	10.52	0.321
						10	11	10.59	9.68	45.78	11.75	0.37
						11	12	2.16	5.52	62.32	15.47	0.212
						12	13	17.7	10.06	37.27	9.44	0.357
						13	14	7.49	6.83	53.88	12.9	0.26
						14	15	3.97	9.19	51.51	13.28	0.224
						15	16	0.95	9.46	49.08	11.29	0.164
						16	17	2.41	10.21	47.89	11.72	0.17
						17	18	6.84	8.66	47.55	13.16	0.252
						18	19	8.13	7.7	50	12.8	0.259
						19	20	9.08	7.74	46.51	11.64	0.255
						20	21	9.01	7.26	39.96	9.95	0.237
						21	22	6.11	6.2	45.64	11.94	0.229
						22	23	7.66	6.14	41.82	10.86	0.237
						23	24	8.29	7.79	39.08	10.05	0.246
FRB0277	261125.6	7415624	525.04	-90	0	0	1	5.68	5.84	51.88	9.67	0.085
						1	2	5.84	6.4	42.59	9.51	0.077
						2	3	8.12	8.27	40.61	10.01	0.181
						3	4	8.82	8.14	45.54	11.75	0.242
						4	5	8.58	7.56	42.98	10.58	0.231
						5	6	6.91	6.8	40.66	10.38	0.191
						6	7	6.74	9.22	51.52	12.5	0.279
						7	8	11	11.74	44.87	10.78	0.286
						8	9	17.2	12.04	36.17	9.33	0.27
						9	10	5.54	13.22	48.98	12.57	0.349
						10	11	8.04	12.4	46.6	12.16	0.267
						11	12	5.6	6.81	56.68	14.27	0.22
						12	13	6.72	7.2	54.58	13.68	0.291
						13	14	13.44	13.81	38.53	10.06	0.367
						14	15	9.57	9.11	42.12	11.45	0.25
						15	16	11.48	10.18	36.7	9.6	0.276
						16	17	7.62	9.21	38.94	10.57	0.282
						17	18	8.49	9.26	36.98	9.73	0.234
						18	19	9.86	10.08	32.27	8.42	0.229
						19	20	7.68	8.15	39.57	11.08	0.298
						20	21	9.23	8.44	35.01	9.47	0.259
						21	22	9.09	8.71	35.02	9.53	0.237
						22	23	9.66	9.19	33.15	8.75	0.297
						23	24	9.23	7.98	35.57	9.62	0.25

FRB0278	261054.4	7415697	526.13	-90	0	0	1	1.4	4.89	48.43	10.01	0.126
						1	2	4.75	10.15	47.55	9.73	0.156
						2	3	8.22	11.88	40.5	8.22	0.192
						3	4	10.27	13.46	38.41	8.17	0.262
						4	5	11.26	13.31	39.59	9.02	0.401
						5	6	11.1	15.83	38.03	9.37	0.425
						6	7	14.64	12.59	38.47	9.24	0.565
						7	8	11.07	14.34	41.7	10.14	0.335
						8	9	11.34	13.75	42.76	9.98	0.328
						9	10	13.43	13.6	40.54	9.59	0.363
						10	11	15.76	14.01	36.43	8.74	0.317
						11	12	10.96	12.9	44.23	10.51	0.287
						12	13	14.77	14.47	37.8	8.67	0.356
						13	14	11.76	16.04	41.28	8.61	0.301
						14	15	11.82	17.07	38.65	8.44	0.402
						15	16	11.66	12.75	42.67	9.88	0.318
						16	17	13.75	9.07	45.69	9.64	0.353
						17	18	9.93	9.77	48.38	11.58	0.291
						18	19	6.93	8.8	51.06	13.97	0.257
						19	20	9.11	12.04	45.65	12.08	0.33
						20	21	11.48	13.78	39.45	10.68	0.388
						21	22	10.06	4.83	46.62	12.31	0.229
						22	23	8.31	7.1	46.3	12.42	0.236
						23	24	10.84	9.54	43.38	11.78	0.275
						24	25	6.97	8.92	45.03	12.38	0.358
						25	26	8.75	8.96	38.97	10.55	0.287
						26	27	7.78	8.38	38.73	10.6	0.276
						27	28	9.26	10.15	33.46	8.78	0.29
						28	29	7.85	8.71	37.91	10.31	0.233
						29	30	7.91	9.52	37.14	9.82	0.271
FRB0279	260983.8	7415766	525.4	-90	0	5	6	0.41	4.78	61.8	16.08	0.065
						6	7	1.84	7.34	58.7	15.46	0.094
						7	8	1.63	6.13	62.5	14.7	0.079
						8	9	0.8	5.44	61.62	16.84	0.05
						9	10	2.75	7.27	59.07	14.24	0.13
						10	11	7.14	9.4	51.21	12.13	0.407
						11	12	7.56	7.75	52.52	12.31	0.413
						12	13	6.29	6.3	55.67	13.46	0.221
						13	14	8.63	7.65	50.66	12.26	0.37
						14	15	10.64	12.01	41.48	9.81	0.472

						15	16	10.37	9.46	45.63	10.44	0.286
						16	17	10.93	7.18	49.31	11.05	0.244
						17	18	10.06	8.76	47.78	11.74	0.257
						18	19	11.67	12.13	42.29	10.53	0.29
						19	20	12.58	10.75	44.41	10.07	0.299
						20	21	13.36	16.04	37	8.61	0.365
						21	22	8.39	10.74	49.08	12.01	0.319
						22	23	7.67	12.41	46.93	11.98	0.369
						23	24	5.73	12.81	50.36	11.71	0.38
						24	25	5.67	14.9	46.67	11.8	0.405
						25	26	7.77	9.32	48.09	11.83	0.293
						26	27	11.74	10.48	36.26	9.14	0.29
						27	28	10.62	11.94	35.84	8.77	0.257
						28	29	9.94	10.21	39.92	9.51	0.442
						29	30	8.82	10.76	40.73	10.09	0.266
FRB0280	260947.4	7415803	525.44	-90	0	5	6	0.51	4.35	59.31	15.47	0.071
						6	7	0.17	4.19	64.28	16.74	0.057
						7	8	0.88	5.01	62.79	16.41	0.073
						8	9	0.09	4.52	63.06	17.48	0.106
						9	10	0.77	5.29	62.98	15.59	0.267
						10	11	0.87	4.75	61.63	16.63	0.327
						11	12	8.11	11.55	47.89	11.08	0.31
						12	13	8.4	12.33	46.19	11.25	0.319
						13	14	10.22	12.93	43.88	10.11	0.303
						14	15	8.78	8.94	48.75	12.27	0.315
						15	16	10.62	11.29	44.95	10.77	0.291
						16	17	14.05	11.28	39.46	9.69	0.629
						17	18	9.96	11.91	45.79	10.47	0.328
						18	19	10.92	11.51	43.85	10.82	0.322
						19	20	6.74	7.18	54.1	12.86	0.311
						20	21	11.36	8.87	47.06	11.16	0.265
						21	22	10.69	9.59	48.72	10.25	0.225
						22	23	13.07	11.24	42.86	9.94	0.293
						23	24	12.83	11.52	41.85	10.39	0.297
						24	25	5	8.21	55.68	13.59	0.225
						25	26	7.89	8.69	51.82	12.45	0.29
						26	27	5.66	8.56	54.88	13.51	0.163
						27	28	9.44	7.37	51.57	12.96	0.133
						28	29	9.49	14.36	42.7	10.82	0.374
						29	30	12.04	10.06	36.73	9.16	0.231

FRB0281	260874.8	7415877	525.76	-90	0	0	1	7.22	12.04	52.16	9.81	0.109
						1	2	12.17	11.69	44.45	9.53	0.13
						2	3	7.78	7.91	54.5	11.35	0.079
						3	4	4.12	7.34	59.22	12.86	0.08
						4	5	6.37	8.02	56.53	11.37	0.081
						5	6	11.1	11.92	45.43	10.32	0.112
						6	7	7.63	9.95	50.68	12.64	0.128
						7	8	11.99	12.47	42.89	10.93	0.137
						8	9	11.3	11.01	45.88	11.32	0.124
						9	10	11.79	11.02	46.14	10.54	0.151
						10	11	14.12	10.77	42.56	10.18	0.123
						11	12	12.06	9.26	46.9	10.73	0.111
						12	13	10.13	10.15	47.64	11.09	0.136
						13	14	6.54	11.53	51.57	11.7	0.15
						14	15	12.48	10.25	43.83	11.46	0.147
						15	16	6.9	11.29	49.89	12.88	0.279
						16	17	7.57	8.26	51.7	13.33	0.327
						17	18	11.92	10.64	43.78	11.07	0.422
						18	19	13.26	13.18	39.44	10.04	0.321
						19	20	11.22	9.79	44.46	12.3	0.254
						20	21	12.79	11.64	42.81	10.36	0.227
						21	22	11.26	11.42	45.62	10.41	0.193
						22	23	12.46	12.15	43.26	9.46	0.257
						23	24	8.63	10.33	45.3	13.37	0.232
						24	25	6.52	9.41	47.53	12.08	0.214
						25	26	5.1	9.34	46.89	11.57	0.218
						26	27	12.52	12.07	39.36	10.98	0.224
						27	28	13.88	8.97	43.75	10.92	0.255
						28	29	12.79	10.16	43.89	10.68	0.312
						29	30	13.01	12.12	39.86	10.56	0.386
FRB0282	260805	7415946	525.77	-90	0	0	1	6.4	7.57	53.48	12.42	0.134
						1	2	8.29	7.45	51.89	11.3	0.135
						2	3	6.42	9.13	53.57	11.02	0.173
						3	4	5.93	7.12	57.04	11.71	0.194
						4	5	10.51	9.99	47.51	10.68	0.267
						5	6	5.34	7.61	56.83	12.67	0.214
						6	7	12.3	9.98	45.41	10.47	0.277
						7	8	11.36	12.15	43.8	10.72	0.308
						8	9	9.4	9.98	48.03	12.21	0.314
						9	10	10.49	12.67	43.3	11.08	0.354

						10	11	9.39	8.79	48.73	12.51	0.246
						11	12	8.73	10.98	47.25	11.22	0.426
						12	13	8.64	12.27	46.49	10.66	0.258
						13	14	9.38	10.41	45.41	10.06	0.319
						14	15	9.95	8.92	46.76	10.64	0.23
						15	16	5.35	9.95	53.73	12.66	0.251
						16	17	17.34	12.94	35.44	8.47	0.317
						17	18	16.67	10.47	39.02	9.74	0.302
						18	19	11.68	13.28	42.24	9.82	0.447
						19	20	8.5	9.25	45.18	11.42	0.237
						20	21	13.33	9.26	34.72	8.76	0.275
						21	22	11.93	9.02	36.83	9.58	0.27
						22	23	12.62	7.6	38.33	9.84	0.263
						23	24	9.34	8.56	44.89	11.51	0.311
FRB0283	260732.2	7416016	525.83	-90	0	0	1	5.01	9.46	58.31	10.95	0.08
						1	2	4.62	11.62	54.86	10.91	0.066
						2	3	7.67	7.81	54.38	11.14	0.071
						3	4	11.13	9.11	47.29	10.09	0.083
						4	5	9.9	9.59	46.25	11.26	0.086
						5	6	12.29	9.93	43.51	10.66	0.113
						6	7	9.92	9.63	46.61	11.58	0.109
						7	8	9.84	9.44	46.75	11.51	0.102
						8	9	10.04	9.04	47.11	11.32	0.262
						9	10	7.54	8.67	50.71	12.64	0.251
						10	11	11.38	9.38	45.03	11.14	0.48
						11	12	2.34	8.51	51.16	14.46	0.282
						12	13	13.61	11.05	39.81	9.95	0.954
						13	14	11.22	8.91	45.62	11.44	0.52
						14	15	11.28	11.93	43.5	10.47	0.347
						15	16	9.63	10.96	45.87	11.24	0.462
						16	17	12.42	9.95	44.24	10.58	0.438
						17	18	10.87	8.25	47.85	11.6	0.31
						18	19	16.13	8.25	41.03	10	0.338
						19	20	6.84	8.65	52.88	12.52	0.253
						20	21	10.51	11.79	43.46	10.59	0.506
						21	22	2.66	8.33	50.31	14.24	0.277
						22	23	1.71	8.74	51.31	13.78	0.239
						23	24	0.53	10.36	50.42	13.22	0.205
FRB0284	260732.5	7415874	527.12	-90	0	0	1	8.55	8.9	54.59	9.05	0.225
						1	2	9.35	9.4	51.43	9.88	0.259

						2	3	11.92	8.04	47.98	11.52	0.187
						3	4	13.55	9.75	43.49	11.19	0.201
						4	5	10.71	11.79	44.6	11.4	0.258
						5	6	15.15	11.38	39.47	10.34	0.214
						6	7	11.9	8.59	46.52	12.11	0.199
						7	8	14.32	8.91	43.38	11.2	0.173
						8	9	9.25	10.08	46.41	12.37	0.204
						9	10	2.67	10.44	48.39	13.7	0.159
						10	11	2.81	9.71	49.58	13.13	0.193
						11	12	0.93	10.02	50.59	11.64	0.168
						12	13	1.92	10.82	47.57	13.46	0.335
						13	14	9.88	11.02	45.69	11.37	0.275
						14	15	17.2	9.84	38.21	9.55	0.277
						15	16	6.72	9.45	52.23	12.54	0.316
						16	17	6.62	8.93	52.45	12.99	0.296
						17	18	14.61	8.45	42.32	10.75	0.271
						18	19	12.66	8.92	44.26	11.56	0.288
						19	20	12.7	9.29	44.79	11.15	0.273
						20	21	11.65	8.08	47.13	12.04	0.326
						21	22	12.79	9.79	43.22	11.11	0.355
						22	23	10.55	9.35	45.79	12.24	0.328
						23	24	12.45	9.76	41.89	11.32	0.283
FRB0285	260804.9	7415804	526.84	-90	0	0	1	6.27	9.41	55.58	10.63	0.173
						1	2	9.83	8.42	50.96	10.85	0.201
						2	3	9.34	9.77	49.96	10.74	0.207
						3	4	8.51	10.37	48.9	12.33	0.269
						4	5	7.16	11.68	48.61	12.67	0.289
						5	6	10.98	13.33	42.88	10.65	0.338
						6	7	5.97	12.2	49.71	12.65	0.302
						7	8	4.08	10.66	53.64	13.8	0.315
						8	9	3.23	12.76	52.35	13.35	0.334
						9	10	0.35	12.45	56.9	14.21	0.383
						10	11	0.22	9.75	61.18	14.81	0.153
						11	12	2.45	7.81	60.45	14.9	0.146
						12	13	1.16	12.12	56.77	14.33	0.183
						13	14	0.53	9.47	53.47	19.36	0.154
						14	15	2.43	10.04	49.51	13.57	0.173
						15	16	1.54	9.76	50.5	12.11	0.173
						16	17	1.52	10.22	49.64	12.57	0.176
						17	18	3.33	7.69	55.5	14.91	0.118

						18	19	2.44	7.59	45.34	10.57	0.128
						19	20	9.78	7.64	38.63	9.06	0.179
						20	21	15.97	7.98	41.5	10.33	0.266
						21	22	14.94	8.65	42.68	10.59	0.278
						22	23	8.44	7.86	51.24	13.1	0.426
						23	24	9.35	8.41	49.21	12.77	0.339
						24	25	7.04	6.88	54.34	13.68	0.315
						25	26	5.76	6.29	56.28	14.44	0.279
						26	27	16.73	9.71	39.12	10.1	0.288
						27	28	7.77	7.85	49.99	13.23	0.314
						28	29	8.95	7.64	43.45	11.32	0.277
						29	30	8.17	7.76	41.34	10.91	0.295
FRB0286	260877.1	7415732	527.53	-90	0	5	6	0.8	5.63	60.07	14.39	0.113
						6	7	2.91	13.86	51.1	12.73	0.295
						7	8	8.12	14.17	44.64	11.24	0.319
						8	9	10.59	12.71	42.66	11.24	0.289
						9	10	12.58	10.97	43.02	10.69	0.285
						10	11	12.63	11.12	42.24	10.75	0.318
						11	12	17.86	12.73	34.11	8.62	0.44
						12	13	15.33	14.46	35.46	8.68	0.428
						13	14	10.53	10.63	45.69	10.95	0.369
						14	15	12.72	9.75	44.5	10.29	0.267
						15	16	8.55	9.07	49.52	11.95	0.253
						16	17	8.43	10.82	48.49	11.26	0.294
						17	18	9.34	10.93	46.75	11.17	0.329
						18	19	7.17	7.19	44.69	10.82	0.211
						19	20	11.73	10.31	45.02	10.71	0.315
						20	21	6.5	7.96	53.98	12.53	0.302
						21	22	7.66	10.14	48.1	12.23	0.404
						22	23	5.3	9.72	46.77	13.01	0.2
						23	24	4.07	9.42	47.51	11.94	0.253
						24	25	1.47	9.85	49.46	11.47	0.177
						25	26	0.41	9.12	51.31	11.66	0.175
						26	27	2.46	9.27	50.42	12.29	0.261
						27	28	11.06	9.03	43.59	10.78	0.275
						28	29	10.22	8.69	48.31	11.53	0.286
						29	30	11.87	8.35	46.63	11.16	0.292
FRB0287	260911.8	7415554	536.53	-90	0	0	1	22.85	13.14	28.32	6.99	0.398
						1	2	3.39	6.45	66.58	9.41	0.051
						2	3	6.49	14.4	49.17	9.58	0.101

						3	4	10.39	17.32	38.38	9.65	0.079
						4	5	6.94	16.74	44.4	9.88	0.073
						5	6	16.35	10.37	37.77	10.78	0.094
						6	7	13.21	12.41	39.35	11.03	0.089
						7	8	10.43	13.52	41.6	11.56	0.134
						8	9	12.32	8.02	47.17	11.41	0.11
						9	10	12.62	6.96	46.56	12.2	0.112
						10	11	8.51	9.7	48.89	12.24	0.134
						11	12	7.7	11.96	46.63	12.33	0.121
						12	13	12.31	10.81	43.16	10.6	0.126
						13	14	7.34	9.8	50.43	12.56	0.106
						14	15	11.65	9.78	43.82	10.92	0.125
						15	16	10.58	9.6	45.28	11.54	0.127
						16	17	13.59	10.42	40.81	10.26	0.346
						17	18	8.29	10.88	47.31	11.63	0.391
						18	19	11.95	8.4	45.46	11.49	0.306
						19	20	7.76	8.59	50.9	12.62	0.322
						20	21	12.28	8.77	44.77	10.81	0.323
						21	22	9.81	7.72	48.93	11.94	0.338
						22	23	9.2	9	48.87	11.51	0.334
						23	24	18.06	8.48	38.78	8.55	0.309
						24	25	5.53	7.54	52.23	12.06	0.369
						25	26	7.37	10.28	45.93	10.36	0.234
						26	27	1.18	6.4	52.6	13.95	0.26
						27	28	1.08	8.5	50.12	10.98	0.185
						28	29	0.32	6.67	46.23	11.21	0.169
						29	30	8.48	10.34	37.02	9.3	0.243
FRB0288	260876.8	7415591	533.25	-90	0	0	1	11.67	13.78	43.14	8.25	0.196
						1	2	9.8	11.01	49.04	9.7	0.135
						2	3	6.28	9.83	55.71	10.6	0.138
						3	4	7.59	9.23	52.24	11.74	0.204
						4	5	10.07	10.21	46.83	11.59	0.243
						5	6	9.66	12.27	44.04	11.06	0.329
						6	7	12.56	15.94	36.31	8.98	0.536
						7	8	13.52	13.03	39.84	9.73	0.369
						8	9	9.51	10.44	46.86	12.13	0.305
						9	10	10.63	9.92	46.41	11.76	0.3
						10	11	12.88	10.74	43.43	10.75	0.28
						11	12	14.59	11.28	39.95	9.92	0.281
						12	13	15.89	9.96	39.11	10.01	0.236

						13	14	8.43	10.01	46.95	12.67	0.436
						14	15	9.96	8.85	43.08	14.39	0.368
						15	16	11.19	11.4	37.93	12.73	0.282
						16	17	6.84	9.89	47.19	13.88	0.215
						17	18	9.38	8.69	47.57	11.82	0.289
						18	19	3.36	9.59	50.22	11.79	0.203
						19	20	0.72	9.85	51.16	11.71	0.178
						20	21	2.07	9.86	50.29	11.51	0.195
						21	22	7.11	10.01	48.41	10.94	0.371
						22	23	9.27	8.63	48.41	11.08	0.298
						23	24	8.68	7.14	45.45	10.44	0.249
						24	25	7.58	7.24	43.35	10.76	0.245
						25	26	9.53	8.01	39.4	9.51	0.267
						26	27	12.57	8.52	43.95	10.9	0.298
						27	28	8.78	8.09	50.17	12.5	0.373
						28	29	10.55	8.82	47.42	11.95	0.313
						29	30	5.57	8.43	52.87	13.32	0.305
FRB0289	260844.2	7415624	531.18	-90	0	0	1	3.68	5.85	61.38	13.36	0.169
						1	2	9.35	11.05	48.42	10.4	0.241
						2	3	7.78	10.67	50.86	11.03	0.2
						3	4	6.53	10.88	51.35	12.06	0.225
						4	5	14.56	11.37	40.29	9.85	0.271
						5	6	11.12	10.75	45.62	11.01	0.301
						6	7	12.89	11.02	43.08	10.31	0.296
						7	8	11.18	10.93	44.57	10.89	0.308
						8	9	15.97	11.84	38.27	8.7	0.297
						9	10	11.37	9.7	45.69	10.77	0.207
						10	11	11.67	8.47	46.01	11.5	0.18
						11	12	10.75	7.87	47.58	12.55	0.236
						12	13	5.49	11.44	46.26	15.39	0.186
						13	14	6.34	11.2	43.88	15.49	0.136
						14	15	3.67	10.89	48.21	14.34	0.129
						15	16	1.23	13.18	46.25	15.4	0.113
						16	17	1.56	13.55	45.61	14.7	0.147
						17	18	9.26	9.75	46.38	11.14	0.264
						18	19	9.23	6.98	49.6	11.73	0.295
						19	20	9.42	7.68	49.31	10.78	0.263
						20	21	10.18	7.06	48.58	10.99	0.29
						21	22	6.35	5.85	31.72	7.21	0.197
						22	23	9.68	7.31	42.29	10.78	0.249

						23	24	7.33	5.25	32.36	8.29	0.193
FRB0290	260806.1	7415661	529.45	-90	0	0	1	12.11	11.81	44.82	8.75	0.102
						1	2	17.23	10.55	38.59	8.74	0.159
						2	3	12.76	11.17	42.72	10.24	0.143
						3	4	7.64	13.28	47.69	10.85	0.133
						4	5	14.58	12.94	38.8	8.91	0.252
						5	6	4.96	11.98	54.62	10.84	0.061
						6	7	0.39	8.11	64.68	13.31	0.033
						7	8	2.41	9.68	59.3	12.53	0.038
						8	9	11.57	10.3	45.25	10.74	0.101
						9	10	11.64	10.02	46.53	10.35	0.133
						10	11	12.36	10.05	44.88	10.35	0.184
						11	12	8.39	11.54	47.77	11.44	0.298
						12	13	9.81	10.83	47.06	10.95	0.28
						13	14	9.2	8.56	50.29	12.05	0.243
						14	15	3.76	10.05	54.66	13.06	0.29
						15	16	2.83	11.27	53.23	13.16	0.191
						16	17	2.29	11.32	54.48	13.08	0.222
						17	18	5.56	12.03	49.34	12.43	0.205
						18	19	6.84	11.9	49.05	11.02	0.192
						19	20	3.99	10.73	52.94	12.81	0.226
						20	21	2.44	11.52	50.87	15.06	0.322
						21	22	1.91	13.32	50.32	13.68	0.981
						22	23	2.95	12.52	52.38	12.53	0.802
						23	24	2.01	11.53	53.16	14.84	0.263
FRB0291	260771.5	7415697	528.24	-90	0	0	1	2.73	15.56	44.44	15.92	0.06
						1	2	7.04	11.58	47.29	13.07	0.045
						2	3	7.31	12.87	47.02	11.53	0.034
						3	4	7.51	12.62	48.19	10.61	0.063
						4	5	7.73	9.64	52.17	11.22	0.05
						5	6	8.4	10.05	51.22	11	0.061
						6	7	2.24	9.33	61.2	12.39	0.068
						7	8	4.82	10.82	55.53	12.17	0.107
						8	9	6.1	12.49	50.82	11.98	0.179
						9	10	12.46	10.64	44.96	10.57	0.223
						10	11	13.12	11.1	42.94	10.3	0.294
						11	12	14.36	9.94	41.99	10.31	0.214
						12	13	14.95	10.9	40.5	9.68	0.265
						13	14	11.23	10.74	45.13	11.1	0.322
						14	15	13.21	10.21	43.56	10.69	0.347

						15	16	11.87	10.35	45.97	10.52	0.273
						16	17	11.43	10.52	45.36	11.16	0.293
						17	18	13.29	9.37	44.52	10.75	0.275
						18	19	10.97	9.97	46.17	11.35	0.385
						19	20	12.05	11.88	43	10.58	0.339
						20	21	7.7	9.58	51.29	12.67	0.179
						21	22	4.21	8.4	56.52	14.22	0.181
						22	23	2.5	10.47	55.17	14.69	0.178
						23	24	0.65	12.28	48	18.08	0.181
FRB0292	260737.1	7415731	527.52	-90	0	0	1	11.69	11.2	40.69	12.76	0.066
						1	2	9.96	12.9	41.39	12.69	0.063
						2	3	9.57	11.22	44.21	13.19	0.056
						3	4	2.55	12.85	51.82	14.32	0.034
						4	5	1.99	14.16	53.16	13	0.048
						5	6	1.89	12.5	55.57	12.89	0.035
						6	7	0.43	3.21	66.67	16.92	0.03
						7	8	0.62	5.51	65.46	15.29	0.032
						8	9	10.99	9.34	46.78	11.86	0.089
						9	10	3.96	10.33	54.82	13.59	0.079
						10	11	6.14	9.58	53.02	13.09	0.102
						11	12	13.02	9.31	44.27	10.94	0.138
						12	13	12.3	9.08	44.99	11.31	0.166
						13	14	9.87	10.4	47.16	11.8	0.274
						14	15	5.71	9.82	53.08	13.23	0.29
						15	16	1.8	9.82	54.53	16.59	0.238
						16	17	1.23	9.66	49.76	19.64	0.164
						17	18	0.72	11.69	48.19	18.09	0.171
						18	19	0.71	11.94	47.99	16.37	0.145
						19	20	4.94	11.5	43.83	14.66	0.139
						20	21	7.7	11.26	45.75	12.8	0.375
						21	22	16.5	8.95	39.58	10.03	0.318
						22	23	12.48	9.28	43.89	10.77	0.275
						23	24	5.06	7.06	44.37	10.91	0.227
FRB0293	260664.4	7415802	527.65	-90	0	0	1	15.7	8.25	43.3	9.54	0.108
						1	2	8.82	13.01	46.42	10.69	0.051
						2	3	8.95	10.15	51.52	9.55	0.033
						3	4	16.08	7.7	43.89	9.29	0.032
						4	5	14.07	12.97	41.81	7.5	0.033
						5	6	6.05	12.33	51.43	11.23	0.057
						6	7	12.68	8.48	42.74	11.47	0.067

						7	8	1.06	10.22	55.97	13.48	0.036
						8	9	2.95	11.08	50.82	13.12	0.057
						9	10	1.62	12.04	48.65	14.69	0.058
						10	11	1.42	11.74	48.66	14.96	0.057
						11	12	9.19	11.1	44.72	11.42	0.163
						12	13	12.74	9.21	43.48	10.39	0.133
						13	14	9.74	8.8	47.16	11.63	0.336
						14	15	11.43	8.16	45.53	11.29	0.377
						15	16	12.39	9.7	43.76	10.58	0.308
						16	17	9.02	7.89	49.12	12.27	0.302
						17	18	10.5	7.33	48.17	11.95	0.269
						18	19	8.74	8.74	48.55	11.94	0.259
						19	20	8.53	7.23	40.81	10.38	0.215
						20	21	11.23	9.08	45.32	11.75	0.318
						21	22	7.02	6.71	54.16	14.14	0.281
						22	23	7.5	5.24	54.97	14.66	0.257
						23	24	7.39	6.78	54.32	13.52	0.324
FRB0294	260591.6	7415873	526.6	-90	0	0	1	10.12	18.65	35.62	10.13	0.082
						1	2	1.08	24.37	42.3	10.92	0.042
						2	3	0.39	11.86	59.5	10.3	0.018
						3	4	1.31	10.46	61.17	9.87	0.014
						4	5	1.29	11.51	57.77	9.59	0.012
						5	6	0.36	8.61	62.82	11.52	0.019
						6	7	1.3	9.71	61.53	11.31	0.023
						7	8	1.71	9.97	63	9.48	0.041
						8	9	14.09	6.14	47.29	10.44	0.068
						9	10	17.2	8.07	40.02	9.48	0.16
						10	11	10.92	8.31	46.61	11.43	0.112
						11	12	10.74	8.38	47.26	11.11	0.128
						12	13	9.97	7.52	48.41	11.81	0.246
						13	14	8.64	7.54	50.63	12.02	0.258
						14	15	9.6	8.2	48.81	11.31	0.332
						15	16	10.25	7.77	49	11.56	0.276
						16	17	8.03	7.51	52.15	12	0.261
						17	18	9.84	8.18	49.86	11.2	0.264
						18	19	10.16	7.37	45.53	10.91	0.31
						19	20	10.14	7.03	43.21	10.38	0.286
						20	21	8.29	7.44	47.63	11.44	0.289
						21	22	7.51	7.14	46.95	11.46	0.285
						22	23	8.77	7.49	47.13	11.54	0.279

						23	24	7.89	8.22	51.59	12.58	0.301
FRB0295	260735.5	7415588	530.59	-90	0	0	1	15.37	11.15	38.1	9.21	0.096
						1	2	12.22	12.33	42.41	9.13	0.079
						2	3	6.86	16.46	45.09	9.7	0.071
						3	4	4.19	13.61	52.85	10.64	0.039
						4	5	10.48	11.64	47.2	9.57	0.084
						5	6	6.96	10.53	53.29	10.71	0.051
						6	7	2.47	6.33	65.76	12.02	0.04
						7	8	7.1	8.48	55.34	11.91	0.056
						8	9	7.67	10.74	51.41	11.37	0.111
						9	10	9.3	9.64	49.02	12.06	0.174
						10	11	11.82	11.06	43.41	10.91	0.214
						11	12	8.88	10.95	46.98	11.64	0.184
						12	13	11.95	11.59	42.12	10.35	0.146
						13	14	10.44	10.95	44.72	11.21	0.138
						14	15	9.56	10.02	46.53	12.06	0.142
						15	16	9.75	10.62	45.81	11.72	0.154
						16	17	8.88	10.45	47.37	11.79	0.165
						17	18	10.63	10.57	45.42	10.68	0.144
						18	19	9.1	10.09	48.3	11.63	0.173
						19	20	8.89	9.86	49.48	11.33	0.211
						20	21	10.62	10.25	46.53	10.79	0.372
						21	22	10.85	10.04	46.65	10.96	0.331
						22	23	10.42	14.22	42.55	10.1	0.55
						23	24	6.53	11.24	51.26	12.18	0.376
						24	25	9.64	12.58	45.59	10.68	0.504
						25	26	10.57	14.57	42.77	9.71	0.434
						26	27	9.95	12.62	45.21	10.64	0.336
						27	28	15.51	8.99	42.72	9.78	0.459
						28	29	10.5	13.5	43.42	9.79	0.659
						29	30	8.01	11.71	48.89	11.32	0.397
FRB0296	260665.2	7415663	529	-90	0	0	1	1.91	22.78	38.48	15.37	0.06
						1	2	0.36	22.55	36.87	19.01	0.031
						2	3	0.25	21.41	37.8	19.18	0.024
						3	4	0.39	23.17	36.07	17.92	0.025
						4	5	7.61	17	39.39	12.12	0.045
						5	6	12.01	11.68	42.72	10.01	0.053
						6	7	19.74	9.59	36.34	7.95	0.082
						7	8	15.4	9.45	41.7	9.13	0.081
						8	9	8.57	10.12	49.64	10.78	0.048

						9	10	7.32	11.01	50.39	11.37	0.083
						10	11	12.55	10.36	43.91	10.14	0.112
						11	12	12.13	11.27	42.82	10.31	0.139
						12	13	10.61	9.81	46.33	11.25	0.137
						13	14	12.5	9.43	44.83	10.8	0.161
						14	15	15.48	9.99	40.72	9.52	0.231
						15	16	11.78	11.64	44.32	10.06	0.275
						16	17	15.16	10.05	41.28	9.55	0.262
						17	18	8.03	13.49	44.74	10.81	0.264
						18	19	7.26	13.5	44.56	10.72	0.221
						19	20	2.34	11.12	48.07	13.93	0.238
						20	21	2.87	12.15	46.69	12.54	0.224
						21	22	1.49	10.43	49.7	12.23	0.203
						22	23	0.26	10.12	50.72	11.85	0.184
						23	24	3.22	11.11	47.18	11.28	0.192
FRB0297	260596.9	7415732	527.46	-90	0	5	6	0.8	18.87	34.62	24.21	0.034
						6	7	2.62	18.57	32.59	23.58	0.043
						7	8	1.5	20.36	31.77	23.44	0.032
						8	9	2.38	18.81	35.16	20.26	0.053
						9	10	7.67	13.69	41.02	14.85	0.031
						10	11	0.57	11.49	50.18	17.21	0.019
						11	12	0.13	11.74	49.35	17.28	0.013
						12	13	0.32	10.85	50.66	16.35	0.029
						13	14	0.58	10.46	50.2	16.6	0.02
						14	15	0.7	11.81	48.23	15.93	0.037
						15	16	3.65	10.86	50.7	13.47	0.083
						16	17	4.73	8.07	54.43	13.04	0.061
						17	18	15.58	7.8	41.6	10.11	0.105
						18	19	12.28	8.01	44.94	11.13	0.09
						19	20	9.74	9.1	46.99	11.46	0.088
						20	21	8.88	8.52	48.7	11.94	0.092
						21	22	9.3	7.85	49.91	11.86	0.1
						22	23	8.74	8.61	50.29	11.43	0.145
						23	24	8.28	7.38	51.95	12.14	0.246
FRB0298	260523.3	7415803	525.7	-90	0	0	1	2.06	13.41	52.63	14.67	0.067
						1	2	0.39	15.7	48.8	17.25	0.029
						2	3	2.21	25.13	36.52	14.29	0.038
						3	4	12.01	18.66	30.52	11.65	0.046
						4	5	6.74	7.5	52.24	13.27	0.029
						5	6	1.08	10.34	54.91	14.82	0.018

						6	7	0.51	19.3	44.65	12.85	0.092
						7	8	0.11	15.35	54.59	11.52	0.05
						8	9	3.4	13.09	54.21	9.87	0.031
						9	10	13.16	8.89	44.18	10.48	0.104
						10	11	12.48	8.64	45.22	10.97	0.162
						11	12	10.86	7.94	47.48	11.85	0.177
						12	13	9.57	7.84	50.09	11.75	0.201
						13	14	9.92	8.29	49.34	11.52	0.214
						14	15	8.81	7.54	51.07	12.09	0.172
						15	16	11	7.48	47.94	11.42	0.203
						16	17	7.84	7.57	52.57	12.48	0.225
						17	18	9.36	8.14	49.79	11.71	0.29
						18	19	9.13	7.88	49.71	11.97	0.287
						19	20	8.99	7.43	50.02	12.17	0.286
						20	21	9.22	8.1	48.79	12.08	0.334
						21	22	8.77	7.96	50.12	12.16	0.34
						22	23	5.74	7.58	54.19	13.29	0.29
						23	24	6.69	7.94	53.2	12.73	0.337
FRB0299	260698.6	7415481	534.08	-90	0	0	1	9.51	9.23	50.78	10.28	0.148
						1	2	11.14	11.3	45.99	9.34	0.231
						2	3	8.66	12.58	47.96	9.79	0.197
						3	4	8.27	14.1	47.36	9.48	0.102
						4	5	7.26	15.92	45.99	10	0.157
						5	6	11.01	8.98	48.88	10.72	0.074
						6	7	9.44	11.87	47.88	10.6	0.111
						7	8	2.08	8.53	61.08	13.66	0.086
						8	9	0.78	12.92	57.63	13.3	0.103
						9	10	3.64	12.2	54.85	12.56	0.106
						10	11	7.33	7.94	55.04	12.21	0.137
						11	12	14.82	8.44	43.28	11.01	0.193
						12	13	9.32	10.07	48.2	11.97	0.245
						13	14	16.1	9.49	40.58	9.72	0.224
						14	15	13.93	10.06	42.07	10.39	0.188
						15	16	11.65	10.01	44.52	11.23	0.173
						16	17	9.33	9.32	48.22	12.35	0.183
						17	18	5.58	9.02	54.25	13.12	0.213
						18	19	11.1	8.98	46.75	11.59	0.167
						19	20	8.67	10.84	49.16	11.52	0.186
						20	21	7.45	8.21	54	12.58	0.165
						21	22	12.16	8.79	47.01	11.35	0.191

						22	23	6.84	11.78	50.27	12.35	0.204
						23	24	12.21	10.59	44.62	10.88	0.215
						24	25	6.63	11.5	51.91	11.39	0.259
						25	26	10.14	10.66	48.64	10.5	0.24
						26	27	8.79	11.09	48.78	11.34	0.288
						27	28	12.86	10.57	43.48	10.28	0.359
						28	29	10.32	13.08	43.54	10.5	0.454
						29	30	11.38	11.69	43.98	10.71	0.344
FRB0300	260663	7415515	532.2	-90	0	0	1	9.84	13.3	46.52	9.6	0.073
						1	2	11.56	7.07	52.47	9.76	0.049
						2	3	2.45	10.88	59.72	10.86	0.05
						3	4	6.28	11.32	53.97	9.89	0.068
						4	5	5.84	14.58	50.46	9.67	0.107
						5	6	15.71	8.79	43.79	8.99	0.117
						6	7	1.46	10.89	60.44	11.95	0.101
						7	8	12.18	8.11	50.37	9.44	0.123
						8	9	15.07	7.63	44.85	10	0.124
						9	10	11.79	9.22	45.13	11.5	0.201
						10	11	12.17	10.18	43.49	10.83	0.187
						11	12	10.75	10.84	44.89	11.29	0.14
						12	13	11.19	9.97	44.94	11.43	0.119
						13	14	9.28	9.98	47.24	12.16	0.127
						14	15	7.87	9.65	50.56	12.32	0.132
						15	16	10.02	9.17	47.26	12	0.191
						16	17	10.42	10.3	45.72	11.37	0.21
						17	18	10.73	10.55	45.48	11.07	0.152
						18	19	7.78	8.73	51.7	12.8	0.183
						19	20	6.78	8.25	55.48	12.09	0.294
						20	21	6.76	11.57	52.95	10.46	0.285
						21	22	6.34	10.81	53.07	11.68	0.277
						22	23	7.36	9.71	53.14	11.45	0.296
						23	24	10.34	9.14	49.6	11.39	0.277
						24	25	12.27	9.83	44.65	11.15	0.318
						25	26	14.91	10.05	41.74	9.98	0.307
						26	27	13.91	9.88	43.52	9.97	0.317
						27	28	13.19	10.93	42.68	10.25	0.305
						28	29	16.12	14.28	35.23	8.72	0.407
						29	30	4.67	13.95	50.63	11.99	0.52
FRB0301	260630.4	7415555	530.76	-90	0	0	1	18.9	7.17	41.79	8.02	0.143
						1	2	14.07	9.66	45.37	8.5	0.123

						2	3	7.61	10.91	52.48	9.01	0.041
						3	4	19.86	6.94	40.95	7.71	0.062
						4	5	3.65	11.63	58.16	9.56	0.067
						5	6	1.38	12.71	59.78	10.29	0.046
						6	7	6.63	11.38	53.38	9.8	0.054
						7	8	13.85	8.17	47.01	9.55	0.075
						8	9					
						9	10	8.8	9.09	51.01	11.28	0.091
						10	11	10.12	10.55	46.45	11.22	0.133
						11	12	11.34	11.6	43.67	10.15	0.169
						12	13	8.16	8.9	49.43	13.19	0.114
						13	14	10.44	9.56	46.42	12.19	0.138
						14	15	8.38	9.63	48.75	13.08	0.156
						15	16	10.97	10.59	45.03	11.34	0.135
						16	17	12.07	10.23	43.98	10.98	0.12
						17	18	9.79	9.29	47.46	11.92	0.104
						18	19	10.4	8.66	46.92	11.93	0.157
						19	20	11.89	9.04	44.76	10.92	0.431
						20	21	13.81	9.83	40.27	9.79	0.997
						21	22	11.09	11.1	43.88	10.92	0.614
						22	23	10.42	10.86	45.09	11.46	0.402
						23	24	6.5	4.56	57.3	14.39	0.196
FRB0302	260458.8	7415581	527.59	-90	0	0	1	5.91	16.86	43.14	12.33	0.086
						1	2	2.47	22.98	41.4	12.98	0.068
						2	3	2.21	26.78	33.77	15.59	0.05
						3	4	1.16	28.05	31.92	16.85	0.04
						4	5	1.06	31.17	28.66	16.27	0.039
						5	6	7.95	22.45	28.42	16.4	0.033
						6	7	5.69	24.97	27.14	16.52	0.039
						7	8	5.17	28.05	25.33	15.15	0.043
						8	9	0.94	31.19	25.66	14.99	0.036
						9	10	1.89	25.24	35.22	12.5	0.047
						10	11	16.4	8.21	41.52	8.67	0.092
						11	12	24.03	5.82	34.59	8.54	0.138
						12	13	14.77	8.61	42.43	9.68	0.134
						13	14	2.42	8.34	59.43	12.66	0.062
						14	15	4.97	6.46	59.58	12.84	0.115
						15	16	11.85	8.16	47.55	11.15	0.217
						16	17	6.36	6.77	56.81	12.96	0.197
						17	18	6.4	4.58	59.71	13.48	0.139

						18	19	7.67	6.07	54.73	13.28	0.194
						19	20	9.43	8.61	49.23	12.22	0.289
						20	21	4.61	5.73	59.56	14.51	0.187
						21	22	8.89	10.52	48.45	12.01	0.348
						22	23	3.29	11.32	54.76	13.33	0.389
						23	24	0.66	4.21	67.25	15.89	0.135
FRB0303	260523	7415518	529.55	-90	0	0	1	4.48	27.49	32.94	12.48	0.07
						1	2	13.51	20.94	24.97	13.48	0.062
						2	3	13.15	16.31	35.36	10.22	0.087
						3	4	20.56	13.01	30.26	8.89	0.094
						4	5	23.14	10.57	30.01	8.36	0.161
						5	6	12.76	16.04	37.84	8.65	0.113
						6	7	2.32	7.32	61.02	11.54	0.015
						7	8	5.71	9	52	11.59	0.067
						8	9	9.08	8.11	45.35	12.5	0.03
						9	10	1.98	10.39	55.28	11.66	0.027
						10	11	0.94	16.69	51.13	10.61	0.085
						11	12	2.79	11.87	53.76	12.97	0.103
						12	13	16.04	8.08	41.63	10.44	0.124
						13	14	10.11	13.34	43.83	10.37	0.355
						14	15	8.72	7.38	53.02	12.61	0.228
						15	16	11.95	8.06	47.65	11.75	0.235
						16	17	9.91	7.46	50.45	12.64	0.234
						17	18	6.84	7.73	54.45	13.36	0.284
						18	19	10.5	10.41	46.44	11.63	0.339
						19	20	8.78	7.62	51.33	12.66	0.25
						20	21	9.17	7.34	51.38	12.45	0.295
						21	22	8.81	7.23	51.85	12.61	0.282
						22	23	12.93	9.6	43.93	10.76	0.328
						23	24	10.04	6.85	50.33	12.48	0.291
FRB0304	260594.4	7415450	531.56	-90	0	0	1	16.63	12.15	36.71	9.41	0.133
						1	2	5.21	9.52	56.46	11.5	0.075
						2	3	5.88	17.69	46.45	9.66	0.092
						3	4	6.28	19.84	43.54	9.35	0.073
						4	5	6.54	11.71	52.43	10.54	0.075
						5	6	10.14	7.18	53.2	10.85	0.057
						6	7	10.12	7.98	52.62	10.58	0.087
						7	8	19.42	8.68	40.43	7.66	0.129
						8	9	10.3	10.28	49.04	10.23	0.144
						9	10	13.54	9.53	44.58	10.67	0.217

						10	11	13.2	9.14	44.18	11.56	0.255
						11	12	17.16	8.93	40.25	10.09	0.29
						12	13	8.74	9.25	48.84	12.66	0.312
						13	14	20.12	8.08	35.62	8.64	0.271
						14	15	3.57	12.48	45.08	15.19	0.098
						15	16	1.21	11.23	50.37	12.87	0.151
						16	17	0.92	10.5	50.87	12.21	0.173
						17	18	0.73	9.96	50.87	12.33	0.183
						18	19	6.45	11.56	46.98	11.26	0.439
						19	20	11.52	9.07	45.15	10.88	0.318
						20	21	8.41	7.95	51.49	12.36	0.27
						21	22	4.81	8.04	55.73	13.71	0.301
						22	23	13.41	9.17	42.97	10.77	0.373
						23	24	5.95	8.61	49.89	15.16	0.254
FRB0305	260662.5	7415381	530.82	-90	0	0	1	10.98	8.66	49.3	11.01	0.219
						1	2	8.72	7.45	52.11	11.74	0.201
						2	3	11.54	8.05	47.33	11.44	0.206
						3	4	8.21	7.97	45.4	8.83	0.255
						4	5	9.56	6.51	47.11	10.12	0.236
						5	6	13.73	7.71	42.7	9.46	0.239
						6	7	8.97	6.97	50.4	11.37	0.202
						7	8	6.28	8.18	50.03	14	0.212
						8	9	2.95	10.38	48.08	13.79	0.101
						9	10	4.06	11.25	47.88	12.01	0.099
						10	11	1.65	10.76	49.07	12.88	0.174
						11	12	2.2	10.88	47.67	14.16	0.149
						12	13	6.73	6.49	51.89	14.04	0.151
						13	14	14.58	12.67	37.6	9.38	0.257
						14	15	11.34	11.28	43.74	10.4	0.295
						15	16	8.82	8.05	50.54	12.18	0.289
						16	17	11.67	8.84	46.57	11.26	0.284
						17	18	10.38	8.1	48.21	11.69	0.273
						18	19	11.02	6.86	38.42	9.29	0.234
						19	20	10.51	7.84	44.34	10.68	0.251
						20	21	8.07	8.71	50.16	12.7	0.26
						21	22	9.94	8.83	48.3	11.58	0.388
						22	23	10.99	7.11	49.82	11.78	0.27
						23	24	10.69	7.95	49.39	11.51	0.258
FRB0306	260737.7	7415309	528.75	-90	0	0	1	1.75	4.62	40.98	7.57	0.098
						1	2	8.04	7.38	35.78	8	0.152

						2	3	4.55	11.36	48.45	11.79	0.263
						3	4	5.08	8.56	53.7	13.08	0.233
						4	5	2.68	10.86	53.04	12.2	0.366
						5	6	6.08	7.38	51.11	11.81	0.208
						6	7	6.41	8.8	52.7	12.69	0.255
						7	8	11.28	8.25	46.38	11.83	0.267
						8	9	7.15	8.98	51.68	13.03	0.33
						9	10	4.1	7.88	57.73	13.66	0.406
						10	11	3.62	8.45	57.25	13.37	0.478
						11	12	6.53	7.4	55.28	13.06	0.461
						12	13	3.59	11.04	54.35	13.27	0.461
						13	14	3.89	12.76	53.22	12.45	0.399
						14	15	5.44	6.84	56.57	14.37	0.304
						15	16	12.35	8.22	46.71	11.66	0.409
						16	17	6.5	10.42	51.65	12.98	0.399
						17	18	10.13	10.2	47.08	11.82	0.439
						18	19	3.52	9.4	55.86	13.8	0.589
						19	20	10.41	10.11	47.68	11.42	0.472
						20	21	10.56	10.67	46.13	11.53	0.461
						21	22	5.09	11.8	52.02	12.88	0.372
						22	23	6.98	11.62	49.9	12.17	0.346
						23	24	3.01	9.26	57.43	14.11	0.334
FRB0307	260770.4	7415410	533.43	-90	0	0	1	3.94	8.38	59.49	11.96	0.101
						1	2	6.68	10.46	52.39	10.26	0.128
						2	3	12.1	9.15	42.78	9.91	0.173
						3	4	7.82	10.46	49.45	12.2	0.194
						4	5	6.61	10.96	50.15	12.55	0.214
						5	6	11.61	10.7	44.64	11.2	0.233
						6	7	12.36	9.73	44.68	11.33	0.29
						7	8	14.17	12.6	39.97	9.68	0.348
						8	9	12.08	12.39	42.24	10.64	0.359
						9	10	12.58	11.29	43.13	10.54	0.324
						10	11	11.92	10.53	44.51	11.31	0.302
						11	12	12.82	9.38	44.76	11.05	0.296
						12	13	9.72	11.19	48.67	10.32	0.29
						13	14	12.54	9.16	46.7	10.69	0.288
						14	15	8.56	12.31	48.03	11.08	0.322
						15	16	15.98	9.64	41.2	9.59	0.242
						16	17	10.26	8.57	49.8	11.53	0.236
						17	18	11.28	10.7	45.97	10.57	0.259

						18	19	8.63	6.11	53.46	13.03	0.185
						19	20	6.43	8.03	53.57	12.84	0.348
						20	21	13.25	8.18	42.53	10.95	0.409
						21	22	1.52	9.56	50.78	12.58	0.187
						22	23	0.45	9.47	50.91	12.19	0.176
						23	24	0.68	8.66	47.96	10.45	0.145
FRB0308	260807.8	7415377	530.1	-90	0	0	1	4.77	5.82	53.62	10.24	0.122
						1	2	7.72	6.3	34.04	7.82	0.137
						2	3	7.23	6.55	48.08	11.17	0.137
						3	4	7.56	7.55	53.03	12.19	0.115
						4	5	9.07	7.68	49.34	12.65	0.111
						5	6	7.77	10.69	43.94	12.95	0.151
						6	7	1.56	11.34	48.86	13.69	0.028
						7	8	1.16	11.01	51.76	12.24	0.158
						8	9	1.6	11.13	49.86	11.85	0.172
						9	10	0.62	10.54	51.2	13.3	0.184
						10	11	4.31	7.85	51.56	13.05	0.87
						11	12	10.75	10.83	41.8	9.94	1.109
						12	13	8.18	8.27	50.37	12.09	0.353
						13	14	9.21	7.45	49.74	12.52	0.266
						14	15	8.72	7.9	49.91	12.44	0.255
						15	16	11.44	7.99	46.43	11.54	0.247
						16	17	9.92	7.25	50.05	12.28	0.25
						17	18	8.18	9.23	50.95	12.09	0.378
						18	19	9.02	12.37	46.31	11.19	0.308
						19	20	10.82	11.29	44.92	11.16	0.354
						20	21	7.5	7.5	53.94	13.03	0.231
						21	22	11.1	8.9	46.89	12.02	0.307
						22	23	11.97	8.54	45.84	12.06	0.243
						23	24	10.76	11.52	43.9	11.43	0.388
FRB0309	260839.4	7415344	528.34	-90	0	0	1	6.77	7.28	57.53	8.96	0.183
						1	2	16.03	6.81	42.04	7.38	0.177
						2	3	11.66	7.55	43.71	10.19	0.188
						3	4	3.06	4.74	58.54	12.52	0.224
						4	5	2.03	5.98	58.66	13.23	0.21
						5	6	5.14	8.28	49.38	10.64	0.288
						6	7	8.22	6.18	51.73	11.41	0.235
						7	8	5.42	7.14	56.85	13.54	0.28
						8	9	5.56	8.58	55.04	13.4	0.311
						9	10	8.45	8.98	51.43	11.98	0.331

						10	11	5.33	11.1	51.97	12.55	0.385
						11	12	5.8	8.92	54.31	13.01	0.297
						12	13	8.34	12.89	46.51	10.95	0.339
						13	14	11.15	11.48	45.25	10.33	0.401
						14	15	8.19	13.8	45.51	10.96	0.474
						15	16	7.1	11.03	49.71	12.23	0.346
						16	17	9.6	18.1	38.36	9.52	0.537
						17	18	0.35	6.2	60.57	15.74	0.226
						18	19	2.71	9.44	54.19	14.33	0.325
						19	20	0.39	7.44	59.66	15.37	0.279
						20	21	2.85	7.12	55.3	14.13	0.29
						21	22	0.49	5.84	60.67	15.71	0.319
						22	23	0.55	5.63	60.78	15.76	0.342
						23	24	5.55	8.93	47.07	11.95	0.343
FRB0310	260908.8	7415416	528.03	-90	0	0	1	2.43	8.12	56.38	9.92	0.119
						1	2	0.78	8.17	51.99	10.31	0.142
						2	3	0.51	8.13	50.85	10.96	0.164
						3	4	4.85	7.86	49.73	11.79	0.232
						4	5	7.24	6.96	46.55	10.84	0.246
						5	6	7.59	6.78	50.34	11.44	0.24
						6	7	10.74	6.03	46.15	11.03	0.223
						7	8	9.94	7.72	46.45	11.08	0.246
						8	9	7.89	8.07	52.72	12.41	0.27
						9	10	8.53	10.38	49.26	11.6	0.343
						10	11	8.99	8.86	50.55	12.03	0.27
						11	12	7.31	7.36	54.45	12.99	0.288
						12	13	13.77	10.67	41.49	10.42	0.294
						13	14	11.07	8.36	47.67	11.9	0.297
						14	15	4.15	7.46	56.71	14.63	0.33
						15	16	10.24	10.76	46	11.69	0.347
						16	17	3.63	9.91	53.64	14.32	0.331
						17	18	5.57	6.23	54.07	13.84	0.27
						18	19	5.35	5.21	53.02	13.89	0.234
						19	20	6.96	8.39	49.17	12.47	0.309
						20	21	6.37	7.72	47.77	12.29	0.294
						21	22	7.04	8.5	45.52	11.71	0.285
						22	23	6.82	9.25	42.93	11.06	0.337
						23	24	9.07	10.89	36.44	8.53	0.305
FRB0311	261013.5	7415450	526.42	-90	0	0	1	10.09	5.69	46.32	8.03	0.109
						1	2	6.22	4.74	34.1	6.72	0.072

						2	3	5.9	4.85	37.47	7.64	0.108
						3	4	6.91	4.55	33.61	7.02	0.128
						4	5	8.03	5.35	43.83	9.45	0.158
						5	6	6.21	5.52	48.65	10.63	0.183
						6	7	6.04	6.27	55.49	12.44	0.236
						7	8	6.83	7.73	53.98	12.05	0.356
						8	9	7.15	9.24	52.54	11.79	0.274
						9	10	9.16	8.38	50.12	12.16	0.286
						10	11	10.74	8.53	47.76	11.81	0.289
						11	12	11.37	9.94	45.28	11.54	0.284
						12	13	15.99	12.7	35.9	9.04	0.433
						13	14	8.98	10.37	47.73	12.11	0.424
						14	15	2.46	4.16	62.77	16.09	0.205
						15	16	2.94	7.98	57.12	14.72	0.297
						16	17	3.49	6.61	57.49	15	0.237
						17	18	5.39	8.18	51.94	13.54	0.401
						18	19	6.13	6.78	50.78	13	0.256
						19	20	8.75	8.58	44.95	11.48	0.278
						20	21	6.19	6.92	48.82	12.71	0.292
						21	22	4.82	6.7	48.81	12.73	0.266
						22	23	6.79	7.91	42.81	10.83	0.332
						23	24	6.58	8.18	42.97	10.85	0.285
FRB0312	260981.1	7415490	527.8	-90	0	0	1	3.73	7.96	59.51	11.15	0.102
						1	2	2.61	5.77	53.74	11.56	0.112
						2	3	2.33	8.03	37.28	8.04	0.115
						3	4	2.27	7.14	48.8	11.74	0.176
						4	5	1.16	6.79	45.82	10.25	0.146
						5	6	0.46	8.43	48.15	10.24	0.145
						6	7	0.71	8.57	48.38	10.37	0.151
						7	8	5.08	9.92	49.75	11.35	0.253
						8	9	4.87	6.65	44.04	10.32	0.218
						9	10	9	5.93	33.38	8.1	0.252
						10	11	7.23	8.76	51.07	11.28	0.424
						11	12	18.49	9.67	35.23	9.18	0.431
						12	13	8.66	7.68	51.69	12.23	0.3
						13	14	9.99	10.31	47.3	10.86	0.391
						14	15	11	10.33	45.37	11.34	0.341
						15	16	12.38	13.06	39.47	10.41	0.412
						16	17	9.81	10.84	43.02	11.27	0.354
						17	18	8.4	8.71	42.78	11.07	0.274

						18	19	7.14	7.87	44.85	11.57	0.269
						19	20	7.42	7.11	42.85	10.95	0.248
						20	21	7.15	7.27	42.55	10.73	0.283
						21	22	6.76	8.23	42.33	10.87	0.293
						22	23	5.99	7.81	44.71	11.56	0.276
						23	24	6.65	8.4	41.87	10.75	0.305
FRB0313	260947.4	7415518	530.2	-90	0	0	1	9.42	7.05	41.41	9.81	0.096
						1	2	10.04	9.33	42.19	10.31	0.115
						2	3	9.86	8.67	46.23	11.76	0.094
						3	4	10.6	8.87	45.89	11.74	0.089
						4	5	10.25	9.2	46.93	11.1	0.087
						5	6	10.62	7.78	47.79	11.23	0.072
						6	7	9.6	7.67	48.35	11.82	0.271
						7	8	9.85	7.95	48.12	11.28	0.414
						8	9	8.51	7.11	49.7	11.92	0.404
						9	10	9.86	7.73	44.77	10.16	0.269
						10	11	11.07	8.66	45.33	10.44	0.254
						11	12	13.44	7.79	43.97	10.84	0.27
						12	13	10.69	10.62	44.17	11.44	0.417
						13	14	7.47	8.06	52.43	12.77	0.314
						14	15	8.6	10.99	48.32	11.21	0.305
						15	16	6.88	8.66	52.07	12.46	0.257
						16	17	1.38	8.9	51.41	12.94	0.192
						17	18	1.36	9.6	50.69	11.2	0.168
						18	19	0.3	8.7	48.45	10.24	0.145
						19	20	0.2	8.85	49.74	10.94	0.157
						20	21	6.61	9.71	46.28	11.7	0.249
						21	22	12.27	9.1	43.5	10.74	0.246
						22	23	5.93	7.96	52.41	13.03	0.258
						23	24	8.77	9.28	47.34	11.97	0.275
FRB0314	261020.4	7415588	528.77	-90	0	0	1	6.37	7.15	37.74	10.06	0.11
						1	2	6.97	12.11	41.69	10.59	0.399
						2	3	9.95	10.45	44.04	10.86	0.601
						3	4	6.62	10.97	47.99	11.94	0.467
						4	5	7.93	9.39	48.15	12.26	0.353
						5	6	13.76	11.63	39.88	10.05	0.371
						6	7	5.18	10.09	52.67	13.68	0.337
						7	8	9.13	11.2	46.23	11.95	0.361
						8	9	11.69	11.31	43.38	11.06	0.403
						9	10	10.36	9.13	46.93	12.47	0.298

						10	11	8.62	8.87	49.07	13.2	0.236
						11	12	17.34	10.87	36.94	9.36	0.391
						12	13	10.68	10.83	45.5	11.1	0.39
						13	14	13.44	11.61	40.83	10.31	0.286
						14	15	9.64	8.4	49.44	12.03	0.286
						15	16	12.06	10.78	43.48	10.64	0.33
						16	17	14.3	10.31	41.42	10.12	0.305
						17	18	11.11	11.54	43.71	10.73	0.38
						18	19	11.27	10.04	45.29	11.02	0.281
						19	20	10.24	9.25	47.78	11.65	0.255
						20	21	9.86	9.38	47.33	11.42	0.327
						21	22	9.81	8.59	48.71	11.55	0.271
						22	23	5.61	10.91	45.1	11.51	0.231
						23	24	0.3	8.86	50.69	11.75	0.172
						24	25	0.27	8.99	49.62	10.51	0.149
						25	26	0.47	8.34	48.39	10.33	0.147
						26	27	4.81	9.37	46.82	11.32	0.221
						27	28	8.54	7.66	42.76	10.95	0.267
						28	29	9.13	7.53	35.12	9.27	0.23
						29	30	8.1	6.78	38.57	10.33	0.242
FRB0315	261086.7	7415522	525.9	-90	0	0	1	11.95	7.74	48.34	10.29	0.152
						1	2	10.85	10.58	41.24	8.64	0.292
						2	3	7.67	7.48	39.41	9.78	0.25
						3	4	8.65	9.01	45.72	11.82	0.273
						4	5	9.29	9.83	43.97	10.62	0.264
						5	6	11.58	8.29	42.57	10.6	0.271
						6	7	1.77	8.67	52.01	12.29	0.2
						7	8	0.42	9.18	52.02	12.09	0.18
						8	9	0.29	8.85	49.22	10.64	0.154
						9	10	0.36	8.83	51.56	10.74	0.159
						10	11	10.37	9.27	45.49	11.1	0.25
						11	12	11.84	8.8	44.65	11.08	0.325
						12	13	11.87	8.18	45.84	11.46	0.248
						13	14	14.23	7.82	43.4	11.53	0.256
						14	15	12.85	10.12	43.02	11.1	0.328
						15	16	13.05	7.05	46.61	11.57	0.309
						16	17	8.73	6.73	46.53	12.01	0.259
						17	18	7.15	6.33	43.05	11.16	0.219
						18	19	6.85	6.41	43.29	11.44	0.226
						19	20	7.53	6.61	41.65	10.95	0.238

						20	21	6.89	6.33	43	11.35	0.227
						21	22	6.85	7.24	41.82	11.1	0.26
						22	23	6.19	6.25	44.45	11.81	0.25
						23	24	5.97	6.67	45.54	12.09	0.234