FAR Pulsar Modes [Single]						v: March 9, 2011									
IS == IncoherentStokes [data type results are: [I, IQUV]								key:	TBD issues work started						
CS == CoherentStokes [equivalent to TA = TiedArray] [data type	results are: [l,	, IQUV]							work nearly completed						
FE == Fly's Eye [data type results are: w/CS+ [I, IQUV]; w/BF+ r									work (to be) completed						
BF = BeamFormed (Complex Voltage/RAW after 2nd polyphase FD = Filtered Data (RAW Voltage data, after 2nd polyphase filter,	filter, after 2nd before the sur	transpose) [data perstation beam	a type res	sults are: B	F] [BF ~ CS wi 2nd transnose)	thout Stokes parameters] [data type results are: FD. r:	w voltages]		previously completed						
OCD == Online Coherent De-Dispersion [performed on BG/P, cu						(,,									
IM == Imaging															
NYS = Not Yet Supported (will be supported in the future) Gray'ed out row = indicates mode/switch-combination is not po	ssible														
		es based on switch				Number of (station) beams:			Current Status		6-month Pi	anning TO-DO List (January	- June 2011)	2-year Planning TO-	DO List (2010-2
MODES (data rate may exclude some of these possibilities) IS (Stokes II	T CS	(T/F) FE (T/F)	BF (1/F)	FD (1/F)	OCD (+)	N SubArrayPointings	M Beams	MoM	Shell pulp.sh DONE	Framework pulp.py almost DONE	Will-Do: SHELL DONE	±H5-to-presto JD, A2, Tom, unassigned	Will-Do: Framework A2, unassigned	Will-Do: SHELL	Will-Do: Fra
IS [Stokes IQUV]	T					1			Done TRD	almost DONE	DONE	JD, Az, Tom, unassigned	Az, unassigned	A2, Jason, unassigned	A2, unass
CS (Stokes I)		т				1	1		DONE		DONE	JD, A2, Tom, unassigned	A2, unassigned	Az, Jason, unassigned	Az, unas
CS (Stokes IQUV)		T				1	1		Design TBD		DOILE	ob, re, rom, unadagned	7tt, unussigned	A2, Jason, unassigned	A2, unas
FE .		T				1									,
BF			т			1	1		Aris N., Joris		Aris N., Joris, A2	JD, A2, Tom, unassigned		DONE	A2, unas
FD				T		1			no sample data						
IS [+ OCD] [Stokes I]	T				+	1		DM field, OCD switch	use DM and OCD switch		Nico, JD, Jason, A2	JD, A2, Tom, unassigned		DONE	A2, unas
IS [+ OCD] [Stokes IQUV]	T				+	1		DM field, OCD switch	Design TBD					A2, Jason, unassigned	A2, unas
CS [+ OCD] [Stokes I]		T			+	1	1	DM field, OCD switch	use DM and OCD switch		Nico, JD, Jason, A2	JD, A2, Tom, unassigned		DONE	A2, unas
CS [+OCD] [Stokes IQUV]		T			+	1	1	DM field, OCD switch	Design TBD					A2, Jason, unassigned	A2, unas:
FE (+OCD)		T			+										
BF (+OCD) FD (+ OCD)			Т	T	+	1	1		Design TBD					Aris N, Joris V, unassigned	A2, unas
FD (+ OCD) IS [xN] [Stokes I]	T				+	N N			DONE		DONE	JD, A2, Tom, unassigned		DONE	A2, unas
IS [xN] [Stokes IQUV]	T					N			Design TBD		-342	a, a, a, a, a, a day		A2, Jason, unassigned	A2, unas
CS [xN] [Stokes I]		T				N	1		DONE		DONE	JD, A2, Tom, unassigned		DONE	A2, unas
CS [xN] [Stokes IQUV]		T				N	1		Design TBD					A2, Jason, unassigned	A2, unas
CS [xM] [Stokes I]		T				1	М		DONE		DONE	JD, A2, Tom, unassigned		DONE	A2, unas
CS [xM] [Stokes IQUV]		T				1	М		Design TBD					A2, Jason, unassigned	A2, unas
CS [xN xM] [Stokes I]		T				N	M		Needs Testing		Jason, A2	JD, A2, Tom, unassigned		DONE	A2, unas
CS [xN xM] [Stokes IQUV]		T				N	М		Design TBD					A2, Jason, unassigned	A2, unas
FE [xN]		Т				N									
BF [xN]			Т			N	1		Aris N., Joris (?)		DONE	JD, A2, Tom, unassigned		DONE	A2, unas
BF [xM]			T			1	M		no sample data						
BF [xM xN] FD [xN]			Т	т		N N	М		no sample data						
IS [xN] [+OCD] [Stokes I]	т					N N		DM field, OCD switch	use DM and OCD switch		Nico ID Iseon A2	JD, A2, Tom, unassigned		DONE	A2, unas
IS [xN] [+OCD] [Stokes IQUV]	T				+	N N		DM field, OCD switch	Design TBD		1400, 00, 00001, 70	ob, / a, rom, anabigned		A2, Jason, unassigned	A2, unas
CS [xN] [+OCD] [Stokes I]		T			+	N	1	DM field, OCD switch	use DM and OCD switch		Nico, JD, Jason, A2	JD, A2, Tom, unassigned		DONE	A2, unas
CS [xN] [+OCD] [Stokes IQUV]		Т			+	N	1	DM field, OCD switch	Design TBD			-		A2, Jason, unassigned	A2, unas
CS [xM] [+OCD] [Stokes I]		T			+	1	М	DM field, OCD switch	use DM and OCD switch		Nico, JD, Jason, A2	JD, A2, Tom, unassigned		DONE	A2, unas
CS [xM] [+OCD] [Stokes IQUV]		Т			+	1	М	DM field, OCD switch	Design TBD					A2, Jason, unassigned	A2, unas
CS [xN xM] [+OCD] [Stokes I]		T			+	N	М	DM field, OCD switch	A and OCD switch + needs	Testing	Nico, JD, Jason, A2	JD, A2, Tom, unassigned		DONE	A2, unas
CS [xN xM] [+OCD] [Stokes IQUV]		T			+	N	М	DM field, OCD switch	Design TBD					A2, Jason, unassigned	A2, unas
FE (xN) (+OCD)		Т			+	N		_							
BF [xN] [+OCD]			T		+	N 1	1 M		Design TBD					Aris N, Joris V, unassigned	
BF [xM] [+OCD]					+	N N	M		Design TBD Design TBD					Aris N, Joris V, unassigned	
BF (xM xN) (+OCD) FD (xN) (+OCD)			Т	T	+		М		Design TBD					Aris N, Joris V, unassigned	A2, unas
FLY'S EYE is CS + FE or BF + FE, but is considered a "single mo	de": CS + FE is	s really IS per St	ation: BF												
CS + FE [Stokes I]		T T				1			DONE		DONE	JD, A2, Tom, unassigned		DONE	A2, unas
CS + FE [Stokes IQUV]		T T				1			Design TBD					A2, Jason, unassigned	A2, unas
CS + FE [+OCD] [Stokes I]		T T			+	1		DM field, OCD switch	use DM and OCD switch		Nico, JD, Jason, A2	JD, A2, Tom, unassigned		DONE	A2, unas
CS + FE [+OCD] [Stokes IQUV]		T T			+	1		DM field, OCD switch	Design TBD					A2, Jason, unassigned	A2, unas
CS + FE [xN] [Stokes I]		T T				N			Needs Testing		Jason, A2	JD, A2, Tom, unassigned		DONE	A2, unas
CS + FE [xN] [Stokes IQUV]		T T				N			Design TBD					A2, Jason, unassigned	A2, una
CS + FE [xM] [Stokes I]		T T				1									
CS + FE [xM] [Stokes IQUV] CS + FE [xN xM] [Stokes I]		T T				1 N									
CS + FE [xN xM] [Stokes I] CS + FE [xN xM] [Stokes IQUV]		T T				N N									
CS + FE [xN xM] [Stokes IQUV] CS + FE [xN] [+OCD] [Stokes I]		T T			+	N		DM field, OCD switch	use DM and OCD switch		Nico JD Jacon 42	JD, A2, Tom, unassigned		DONE	A2, unas
CS + FE [xN] [+OCD] [Stokes I] CS + FE [xN] [+OCD] [Stokes IQUV]		T T			+	N N		DM field, OCD switch	Design TBD		1400, 00, 0ason, A2	25, 74, Toni, unassigned		A2, Jason, unassigned	A2, unas
CS + FE [xM] [+OCD] [Stokes IQOV]		T T			+	1		COD smiles						z, zazz., unasagneu	. a., urlas
CS + FE [xM] [+OCD] [Stokes IQUV]		T T			+	1									
CS + FE [xN xM] [+OCD] [Stokes I]		т т			+	N									
CS + FE [xN xM] [+OCD] [Stokes IQUV]		T T			+	N									
BF + FE		T T				1			DONE		DONE	JD, A2, Tom, unassigned		DONE	A2, unas
BF + FE [+OCD]		T T			+	1		DM field, OCD switch	use DM and OCD switch		Nico, JD, Jason, A2	JD, A2, Tom, unassigned		DONE	A2, unas
BF + FE [xN]		T T				N			Needs Testing		Jason, A2	JD, A2, Tom, unassigned		DONE	A2, unas
BF + FE [xM]		T T				1									
BF + FE (xN xM)		T T				N			B11 / 111						
BF + FE (xN) (+OCD)		T T			+	N		DM field, OCD switch	use DM and OCD switch		Nico, JD, Jason, A2	JD, A2, Tom, unassigned		DONE	A2, una
BF + FE [xM] [+OCD] BF + FE [xN xM] [+OCD]		T T			+	1 N									
BF + FE (AR XM) [+OGD]					+	N									
NOTE: IM can be added to most mode combinations above															
	Dl: Thorn is ou	rrently no way to	specify th	nis configura	tion, therefore	all the same offsets will be use	for all TA beams and theref	fore the N x M beams will be r	mixed within the output files.						
Note: CS [xN xM] [+/- OCD] [Stokes I/IQUV] and BF [xN xM] [+/- OC	DJ. There is cu														