VARIABLE NAME	TYPE	CONTENT	SIZE	INFORMATION		
X	3D array	binned spike counts	UNITS x TRIALS x TIME_BINS	spike counts for each unit on each trial within each time bin		
Y	2D array	behavioral data	TRIALS x 13 columns	COLUMN	CONTENT	
				1	chosen image	(0-cueA, 1-cueB)
				2	chosen loc	(0-left, 1-right)
				3	outcome	(0-NoReward, 1-Reward)
				4	complete trial	(boolean)
				5	Best chosen	(boolean)
				6	Trial in block	
				7	Programmed Reversal Trial	(boolean)
				8	BlockID	(1-12:what, 13-24:where)
				9	BlockOrder	
				10	True BlockType	(1-what, 2-where)
				11	Correct Trial number in session	
				12	Total Trial number in block	
				13	BlockCompleted	(boolean)
Unit	2D array	single unit ID numbers	UNITS x 2 columns	COLUMN	CONTENT	
				1	unit in electrode	
				2	unit in session	
ArrayArea	2D array	microelectrode array location codes for each recorded single unit	UNITS x 2 columns	COLUMN	CONTENT	
				1	hemisphere (1-left, 2-right)	
				2	location code: 1-vlPFC, 2-dlPFC (caudal), 3-dlPFC(mid) 4-dlPFC(frontal)	
ArrayChan	vector	microelectrode ID number	UNITS	Microelectrode on which each unit was isolated. Electrodes are numbered from 1-384 on each hemisphere.		
binSizeStart	2D array	bin size and bin start with respect to time locking event	TIME_BINS x 2 columns	COLUMN	CONTENT	
				1	bin size	
				2	time from event (ms)	
ReactTargetRewardTimes	2D array	times for relevant behavioral events	TRIALS x 3 columns	COLUMN	CONTENT	
				1	reaction time (ms from cue onset)	
				2	target acquisition (ms from time locking event)	
				3	outcome -reward/no-reward- time (ms from time locking event)	
spkRate	2D array	average spike rate	UNITS x TRIALS	average spike rate for each recorded unit on each trial (Hz)		
timeLocking	string	time locking event	1x1	description of the meaning of time 0 in array 'binSizeStart'		
recSess	string	recording session ID	1X1	recording session code (animal initial, date: yyyymmdd)		