

# FOUR SPACECRAFT TIMING OF ELECTRIC FIELD PULSES

	SEPARATION	
SPACECRAFT	DISTANCE, km	TIME, sec
SC1-SC2	1255	5.533
SC1-SC3	1354	-3.380
SC1-SC4	1432	4.577
Average	1347	
skin depths	288	

ASSUME PLANAR, STATIC WAVEFRONT THAT PASSES OVER THE FOUR SPACECRAFT

$n_X, n_Y, n_Z = (0.9742, 0.0290, 0.2240)$

BOUNDARY SPEED = 137 km/sec

$c/\omega_{pe} = 4.7$  km, time to traverse one skin depth = 0.034 seconds