

ANALYSING THE INCREASE OF THE DISTANCE IN PHASE-SPACE							
TURNS	DISTANCE	SLOPE	RESIDUAL	TURNS	DISTANCE	SLOPE	RESIDUAL
2000	0.2253779764D-03	0.4554898739	0.0000000000	2000	0.9092427661D-04	0.3871969581	0.0000000000
3000	0.1081182799D-02	1.3754730225	0.3947801590	3000	0.2666317995D-03	0.9350422025	0.1414830685
4000	0.6399160375D-02	3.0341444016	2.1449279785	4000	0.339497441D-03	0.9019818306	0.0706214905
5000	0.4981834333D-02	2.2218360901	2.3199357986	5000	0.5020486718D-03	1.0834455490	0.0927543640
6000	0.8028940085D-01	4.1418428421	10.5150909424	6000	0.5503330639D-03	0.9862068892	0.0943765640
7000	0.3407768847D+00	6.2231464386	25.0305175781	7000	0.7196859601D-03	1.0560836792	0.0917263031
8000	0.4788764947D+00	6.7520313263	22.5305938721	8000	0.7402482154D-03	0.9828781486	0.1097971201
9000	0.4507363285D+00	6.2743434906	21.2371520996	9000	0.9506629146D-03	1.0507984161	0.1310729980
10000	0.6438836450D+00	5.8023786545	21.1673889160	10000	0.9737567472D-03	1.0118942261	0.1297397614

X-PHASE :	0.1175695955	+/_	0.0003315228	X-PHASE :	0.1189145300	+/_	0.0001260177
Z-PHASE :	0.1196627812	+/_	0.0001993022	Z-PHASE :	0.1211689637	+/_	0.0001953892
S-PHASE :	0.0000000000	+/_	0.0000000000	S-PHASE :	0.0000000000	+/_	0.0000000000
START-QX :	0.1222386779	CHANGE IN X :	-4.4669082376D-02	START-QX :	0.1222386779	CHANGE IN X :	-.3324147915D-02
START-QZ :	0.1222386779	CHANGE IN Z :	-.2575896685D-02	START-QZ :	0.1222386779	CHANGE IN Z :	-.1069714140D-02

NX	* QX	+	NZ	* QZ	-	P	=	DELTA	NX	* QX	+	NZ	* QZ	-	P	=	DELTA
1				-1		0.0		-.2093D-02	1				-1		0.0		-.2254D-02
2				-2		0.0		-.4186D-02	2				-2		0.0		-.4509D-02
14				3		2.0		0.4963D-02									
15				2		2.0		0.2869D-02									
16				1		2.0		0.7763D-03									
17				0		2.0		-.1317D-02									
18				-1		2.0		-.3410D-02									

TURN NUMBER		LINEAR		BETA-		AMPLITUDES		MOMENTUM		NORMALIZED		SLOPE		NONLINEAR		NEAREST		SMEAR OF			
		TUNES		FUNCTIONS		DEVIATION		PHASESPACE		OF THE		DETUNING		RESONANCE		THE EMITTANCES					
				[M]		[MM]											ORD.	[%]	[%]		
10000	X	0.12224	X	92.9575	X	11.000000		0.0000D+00		0.9738D-03		1.0119	X	-.33241D-02	X	1	2	X	26.423	X+Z	5.664
	Z	0.12224	Z	203.5812	Z	16.278681							Z	+/- 0.126D-03	Z	-1		Z	34.450		
	QS	0.000000											Z	-.10697D-02							
														+/- 0.195D-03							
10000	X	0.12224	X	92.9575	X	11.500000		0.0000D+00		0.6439D+00		5.8024	X	-.46691D-02	X	16	17	X	45.228	X+Z	6.683
	Z	0.12224	Z	203.5812	Z	17.018621							Z	+/- 0.332D-03	Z	1		Z	33.745		
	QS	0.000000											Z	-.25759D-02							
														+/- 0.199D-03							