



Supplement of

Individual tree point clouds and tree measurements from multi-platform laser scanning in German forests

Hannah Weiser et al.

Correspondence to: Hannah Weiser (h.weiser@uni-heidelberg.de)

The copyright of individual parts of the supplement might differ from the article licence.

Different slice height

Table S1: IDs of the trees for which a different slice than 1.28 m – 1.32 m was used as the set of points to which a circle/ellipse was fitted (in 2D) and the respective slice heights.

Tree ID	Slice height [m]
AbiAlb_SP02_01	1.05 - 1.15
AbiAlb_SP02_02	1.27 - 1.33
AbiAlb_SP02_03	1.19 - 1.21
AbiAlb_SP02_04	1.18 - 1.22
AbiAlb_SP02_05	1.24 - 1.26
AcePse_BR03_06	1.14 - 1.16
AcePse_KA09_T049	1.26 - 1.30
CarBet_BR03_P16T5	1.25 - 1.35
CarBet_BR03_P16T10	1.25 - 1.35
CarBet_BR03_P16T11	1.25 - 1.35
FagSyl_BR03_01	1.20 - 1.40
FagSyl_BR08_01	1.17 - 1.23
CarBet_BR03_01 (ellipse fitted)	1.23 - 1.27
PinSyl_BR06_09 (ellipse fitted)	2.98 – 3.02
QuePet_BR06_11	0.97 - 1.02

Potentially inaccurate (from visual judgement)

Trees for which the derived DBH might be inaccurate, based on visual judgement.

AbiAlb_SP02_02
 AbiAlb_SP02_03
 AcePse_BR03_06
 AcePse_KA09_T049
 AceSpe_SP02_15
 CarBet_BR05_P8T3
 FagSyl_BR03_01
 FagSyl_BR07_08
 FagSyl_BR08_01
 FagSyl_KA09_T046
 (FagSyl_KA11_01)
 PicAbi_BR02_02
 PicAbi_BR02_04
 PicAbi_BR02_05
 QueRub_KA09_T057
 QueRub_KA11_07

Large deviation from Forest Inventory (FI)

In total, there are 78 trees for which both FI DBH and TLS DBH are available.

Table S2: Absolute and relative difference between DBH derived from TLS point clouds and DBH measured in forest inventories. Only trees with > 10 % relative deviation with respect to FI are listed. Positive differences indicate overestimation of TLS DBH compared to FI DBH and vice versa.

Tree ID	Absolute difference [cm]	Relative difference [%]
AcePse_BR03_05	3.7	88.10
AcePse_BR03_06	-5.2	-57.14
FagSyl_KA09_T046	4.6	16.49
PinSyl_KA09_T050	-14.2	-25.87
PinSyl_KA10_03	16.9	48.29
PseMen_BR03_07	11.9	39.02
PseMen_BR03_14	-4.2	-10.24
QueRub_KA09_T055	-2.3	-14.94
QueRub_KA11_01	6.9	44.81
QueRub_KA11_07	-0.9	-15.79

Ellipse fitting instead of RANSAC circle fitting

For 44 trees, an ellipse was fitted using least squares instead of the RANSAC circle fitting

AcePse_BR03_03	PseMen_BR04_08
AcePse_BR08_01	PseMen_BR05_05
AcePse_BR08_02	PseMen_BR07_02
CarBet_BR03_01	PseMen_BR07_03
FagSyl_BR01_04	PseMen_BR07_04
FagSyl_BR01_05	PseMen_BR07_06
FagSyl_BR02_01	PseMen_SP02_02
FagSyl_BR05_P8T4	QuePet_BR01_04
PicAbi_BR02_13	QuePet_BR01_08
PicAbi_BR02_16	QuePet_BR02_01
PicAbi_BR08_04	QuePet_BR02_02
PicAbi_KA09_T035	QuePet_BR06_01
PinSyl_BR06_02	QuePet_BR06_02
PinSyl_BR06_05	QuePet_BR06_03
PinSyl_BR06_06	QuePet_BR06_04
PinSyl_BR06_09	QuePet_BR06_11
PinSyl_KA09_T038	QueRob_BR03_01
PinSyl_KA09_T047	QueRob_BR03_02
PinSyl_KA09_T048	QueRob_BR03_03
PinSyl_KA11_P17Tree65	QueRub_KA10_04
PseMen_BR03_09	QueRub_KA10_05
PseMen_BR04_03	QueRub_KA10_06

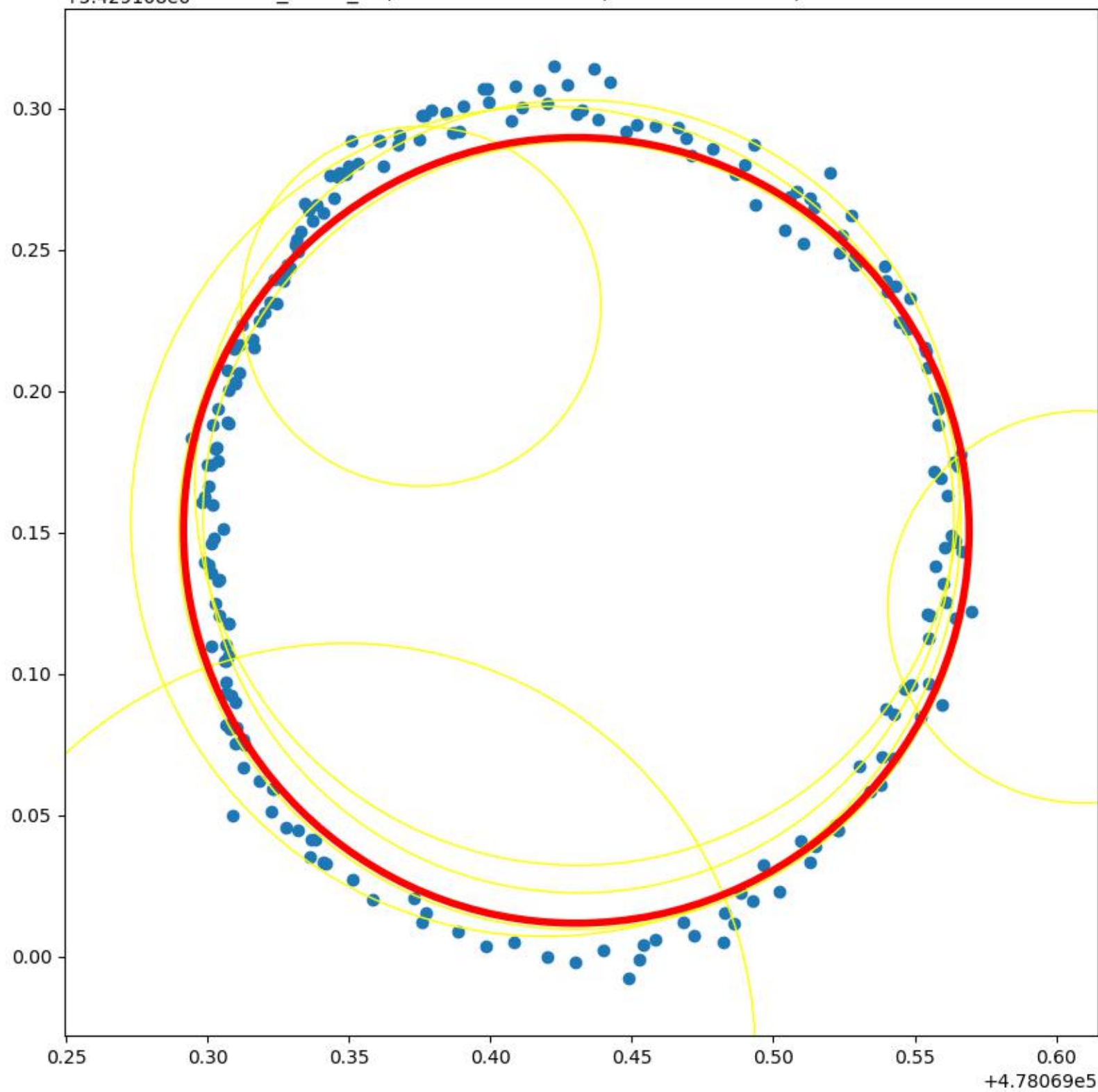
Figures of ellipse/circle fitting

On the following pages, the circle or ellipse fitting is visualized for all trees measured by terrestrial laser scanning (TLS). Pages 5 to 224 show cases of circle fitting, pages 225 to 268 show cases of ellipse fitting.

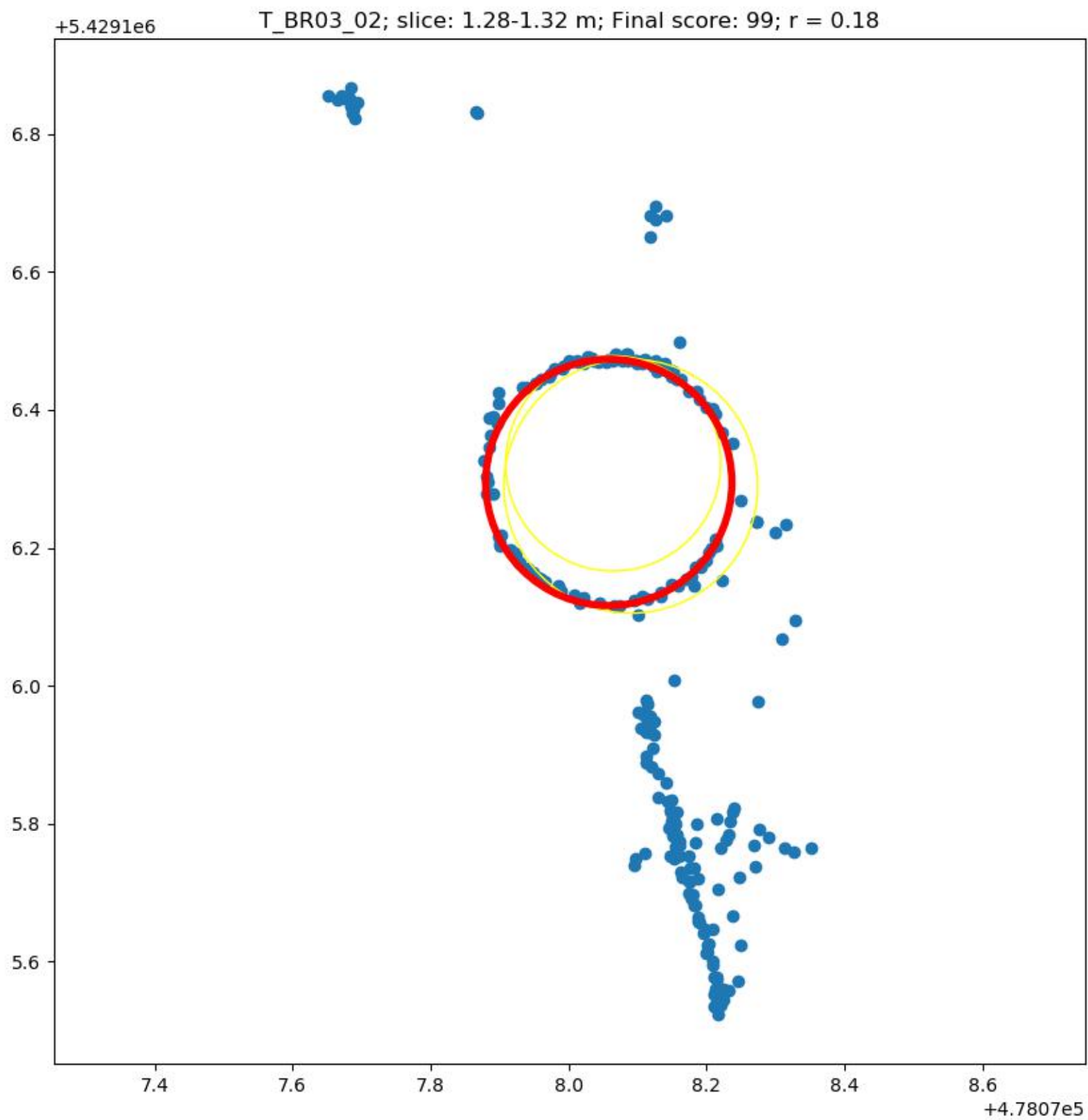
AbiAlb_BR03_01

+5.429108e6

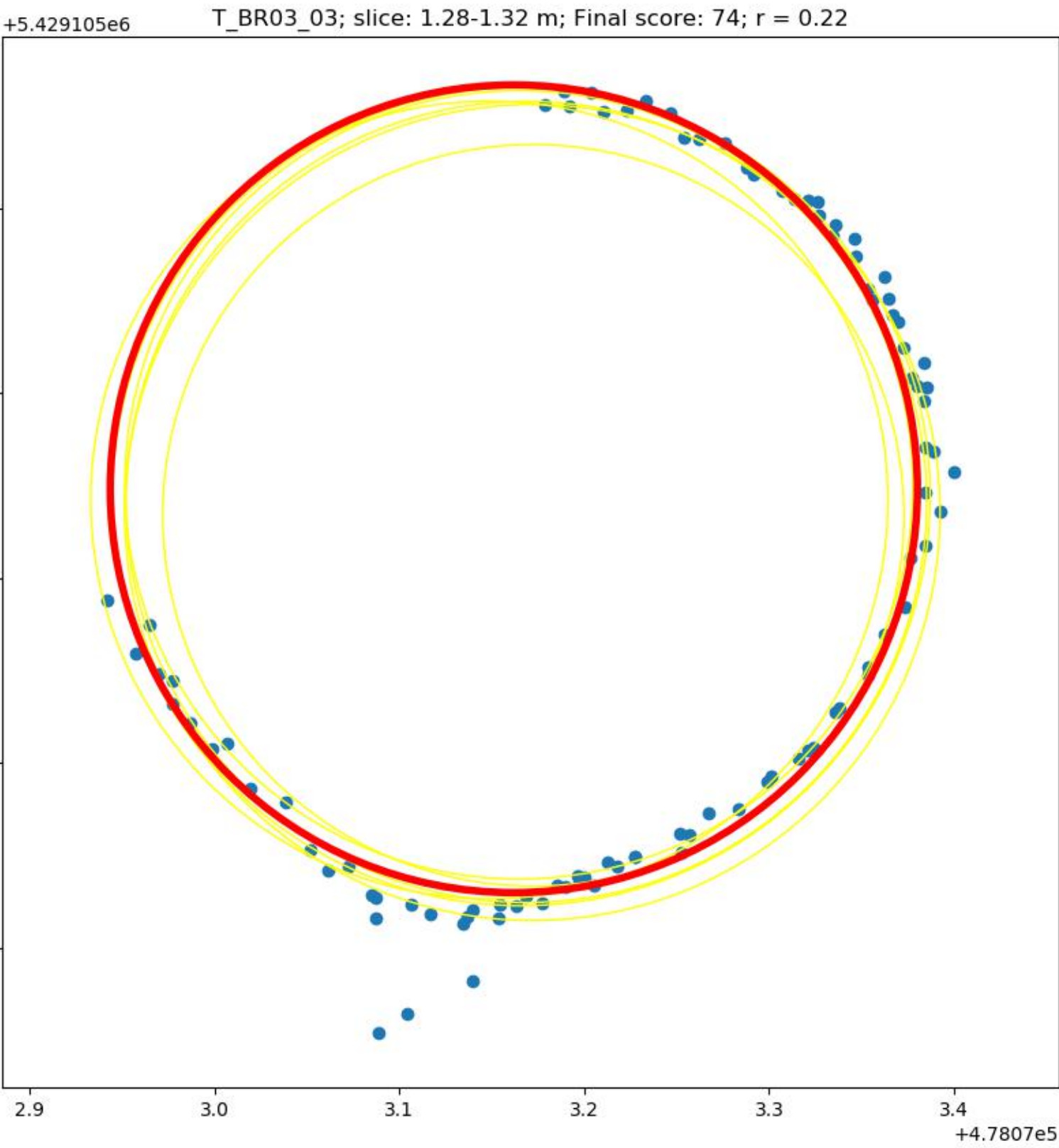
T_BR03_01; slice: 1.28-1.32 m; Final score: 162; $r = 0.14$



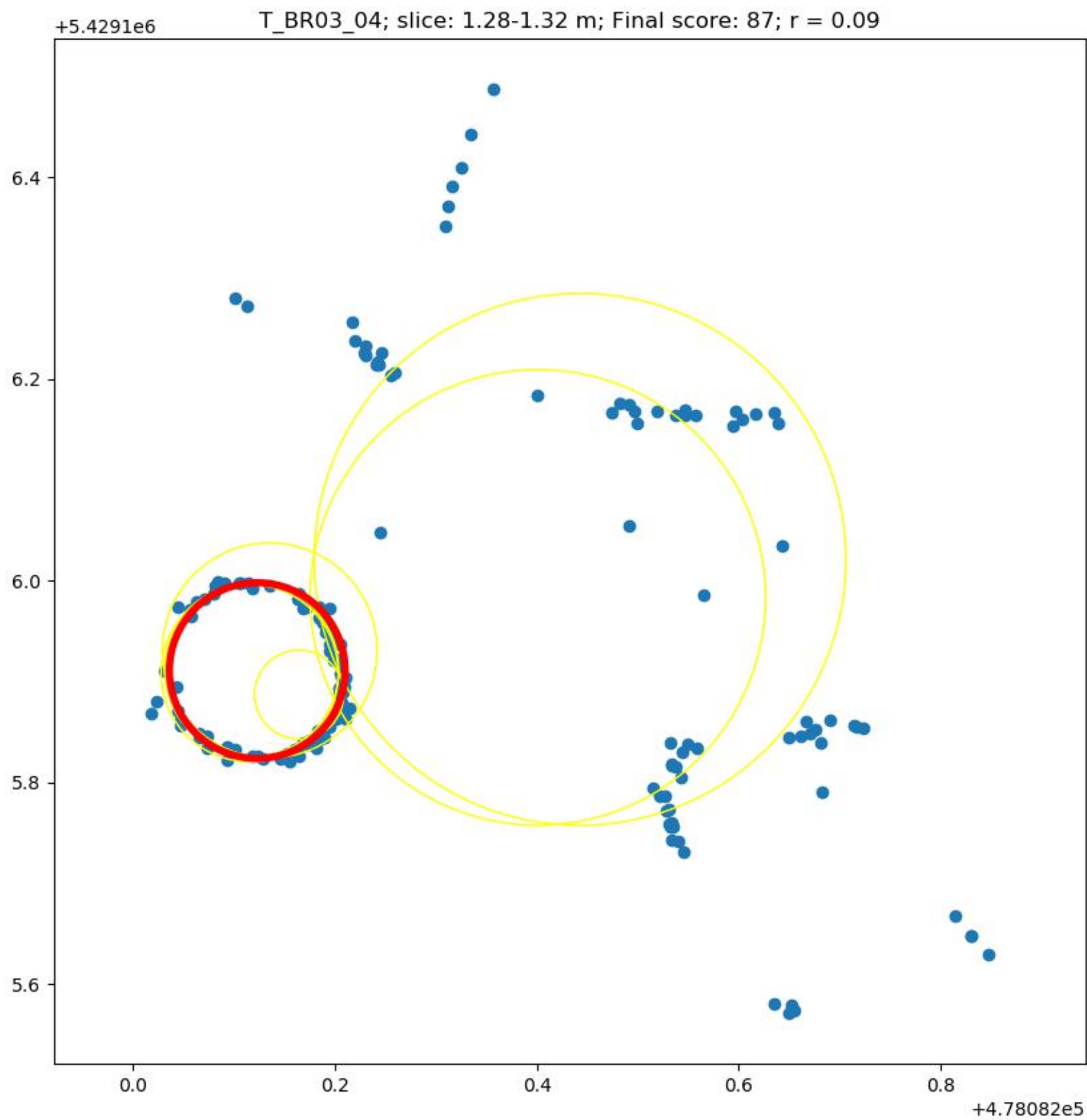
AbiAlb_BR03_02



AbiAlb_BR03_03



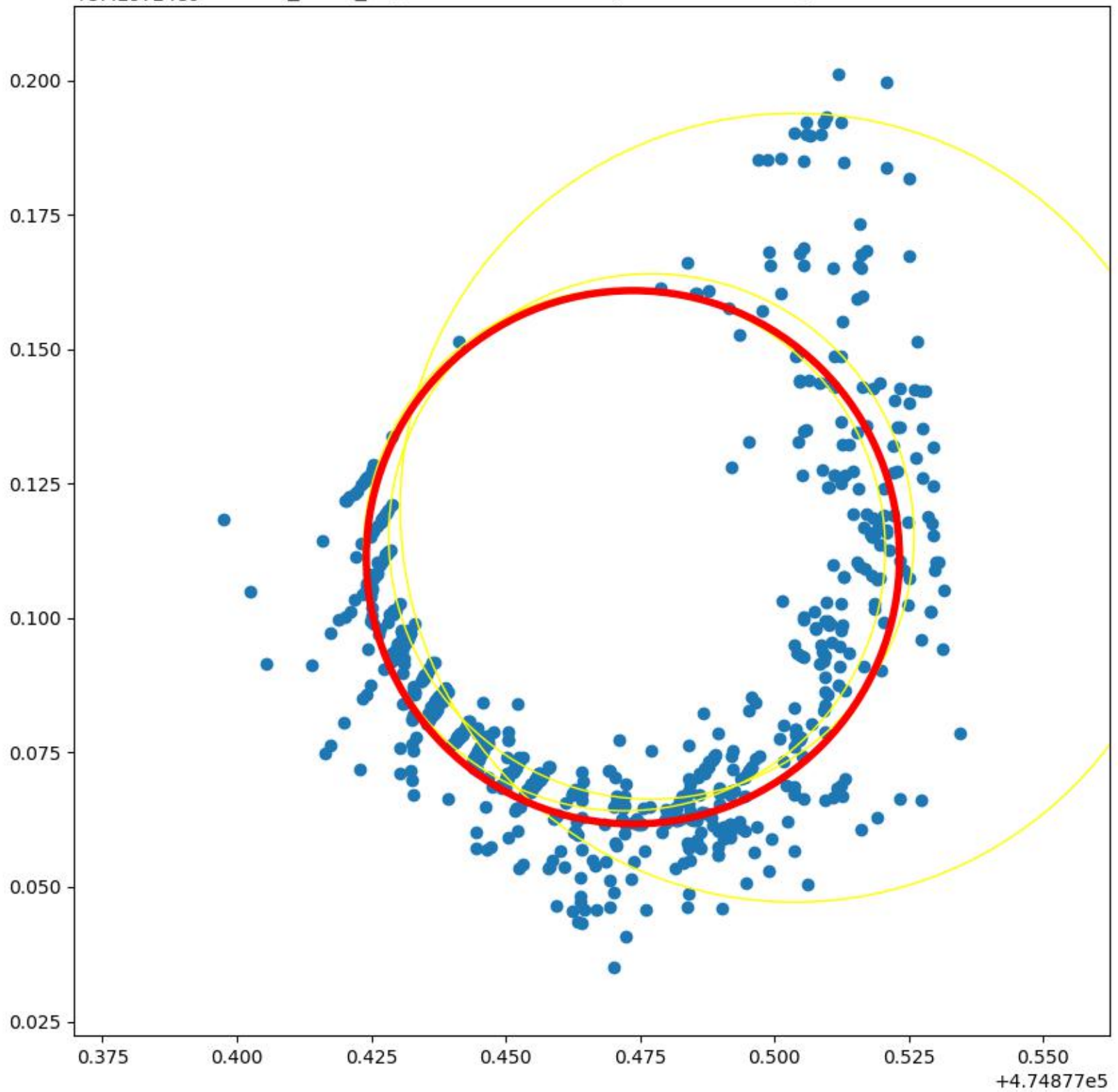
AbiAlb_BR03_04



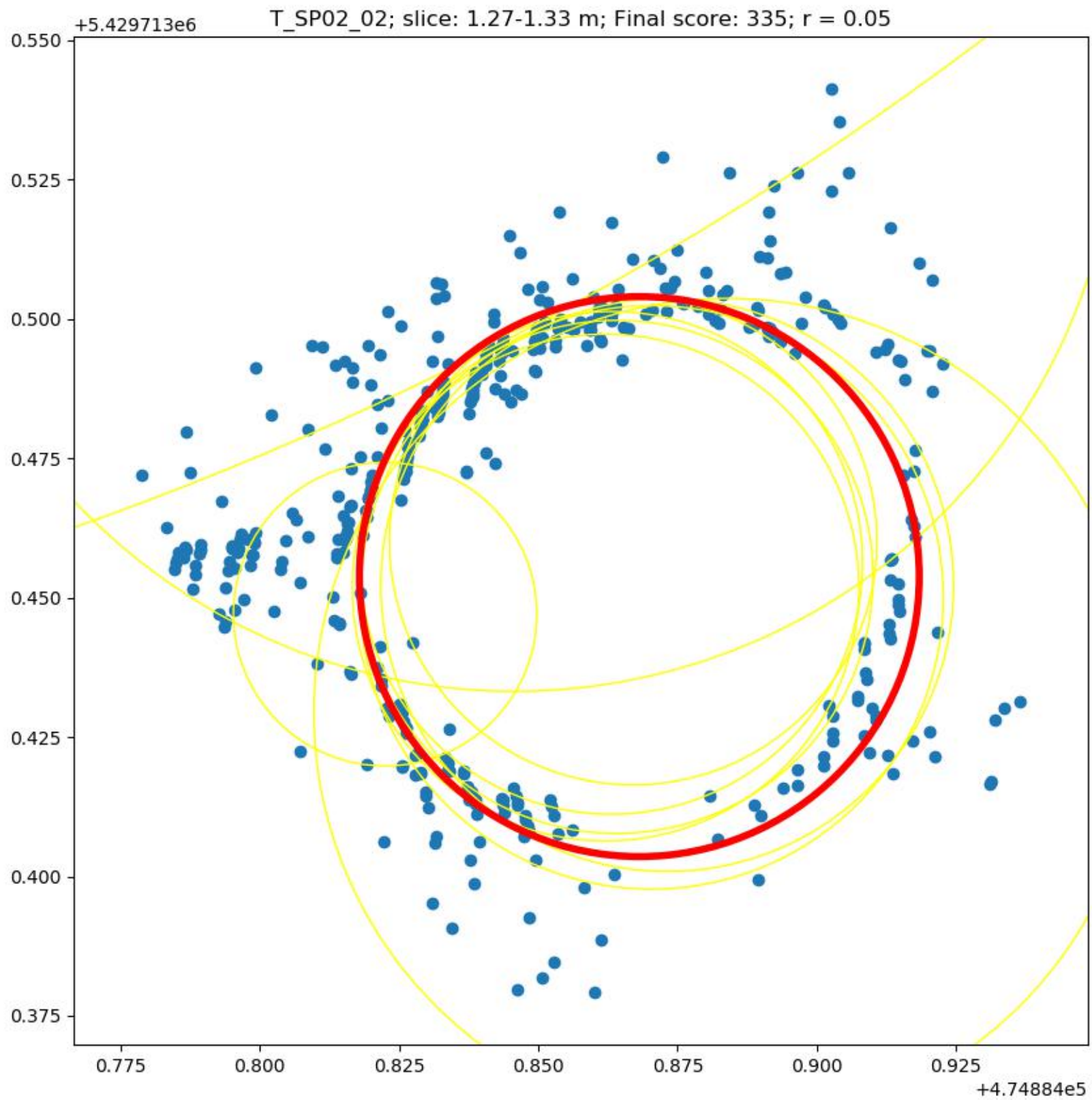
AbiAlb_SP02_01

+5.429724e6

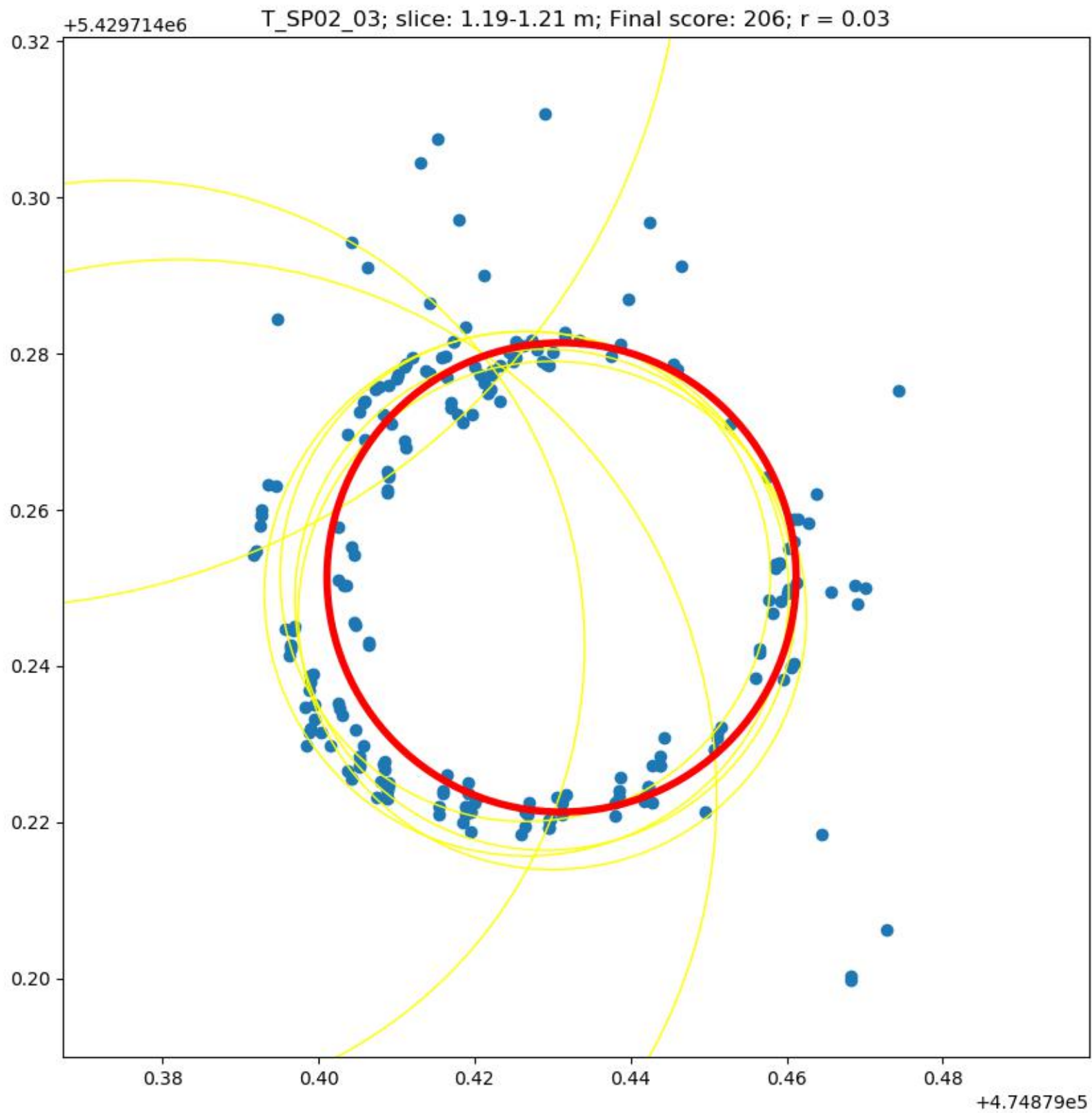
T_SP02_01; slice: 1.05-1.15 m; Final score: 651; $r = 0.05$



AbiAlb_SP02_02



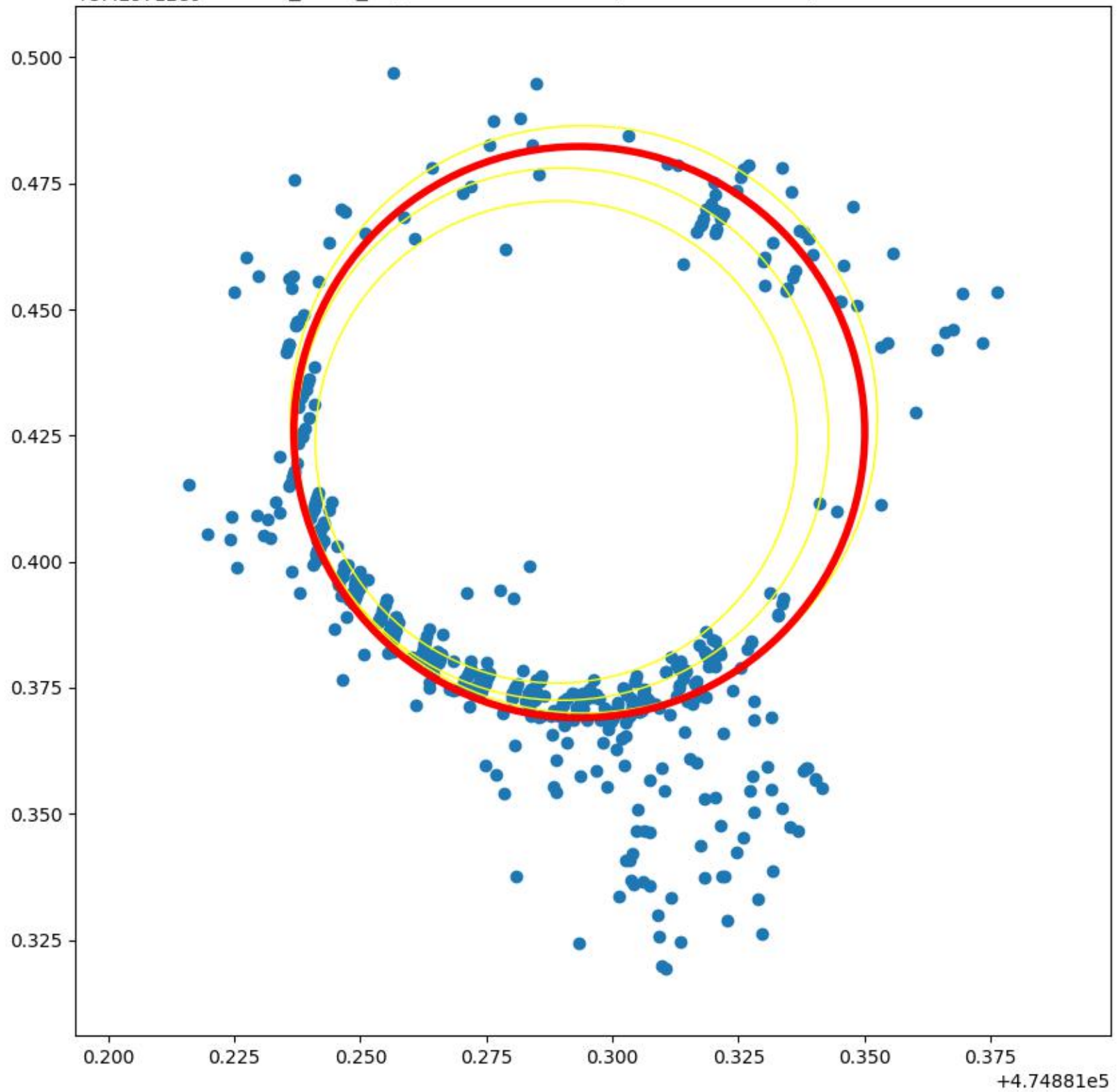
AbiAlb_SP02_03



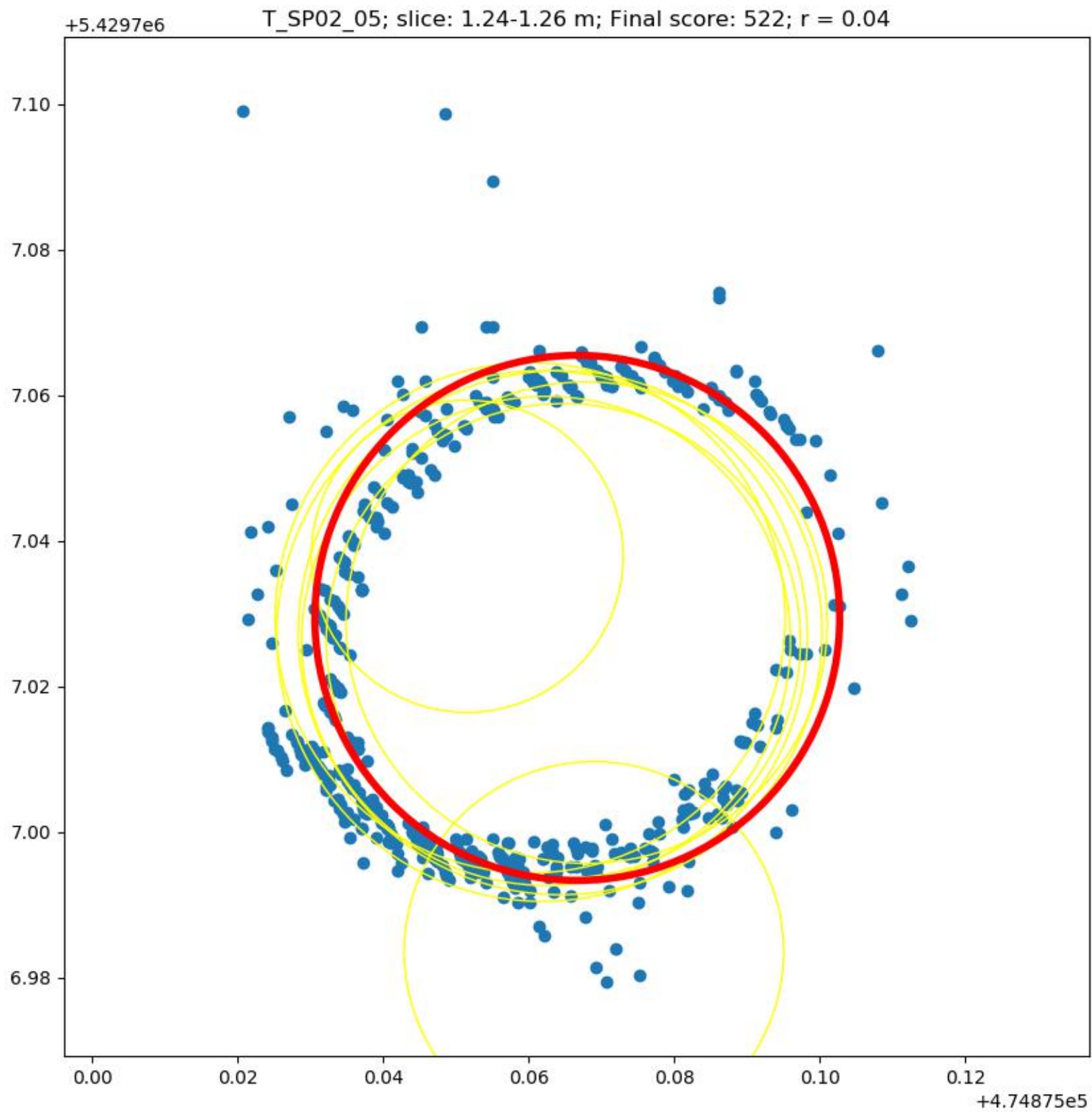
AbiAlb_SP02_04

+5.429712e6

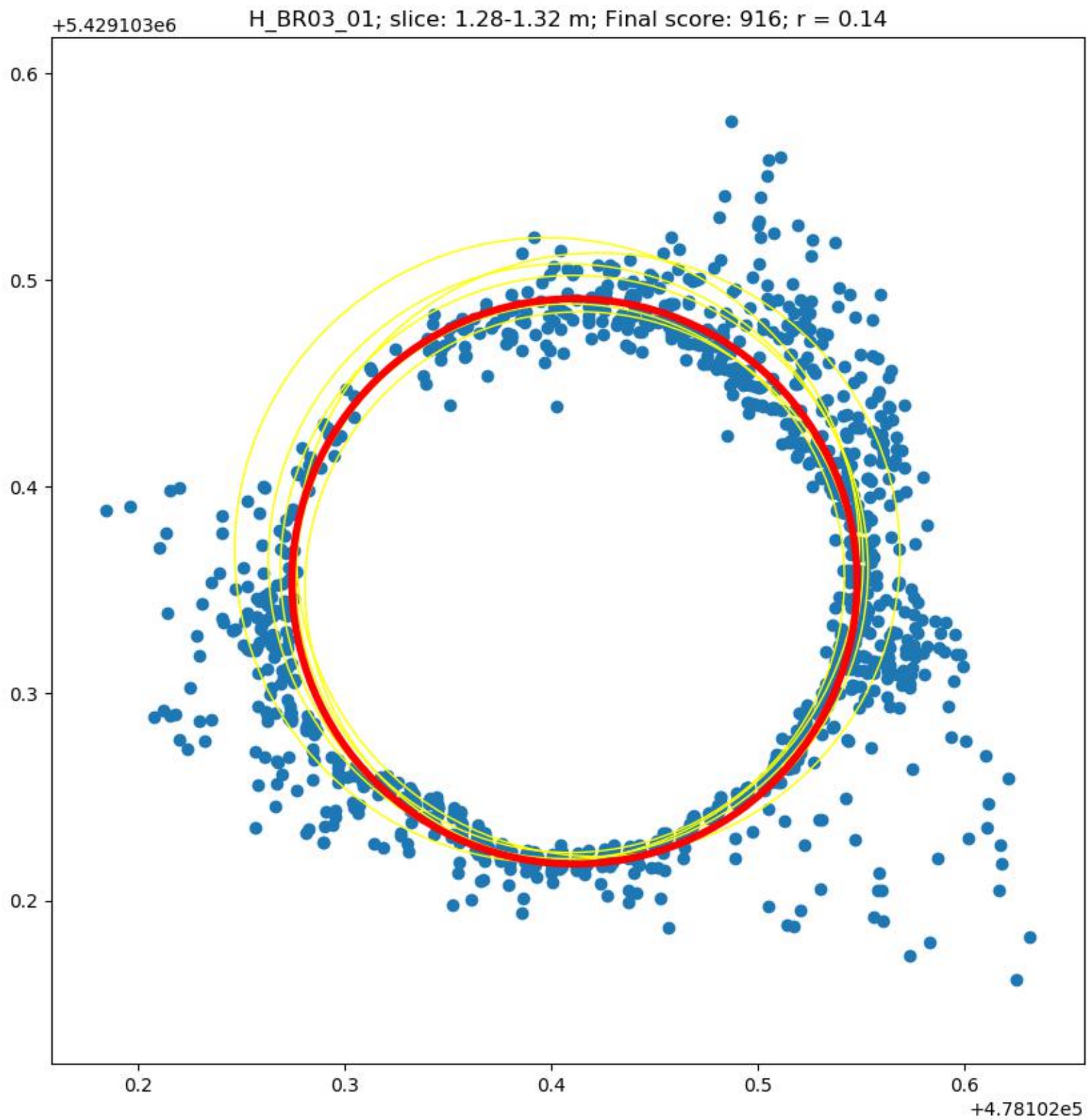
T_SP02_04; slice: 1.18-1.22 m; Final score: 474; $r = 0.06$



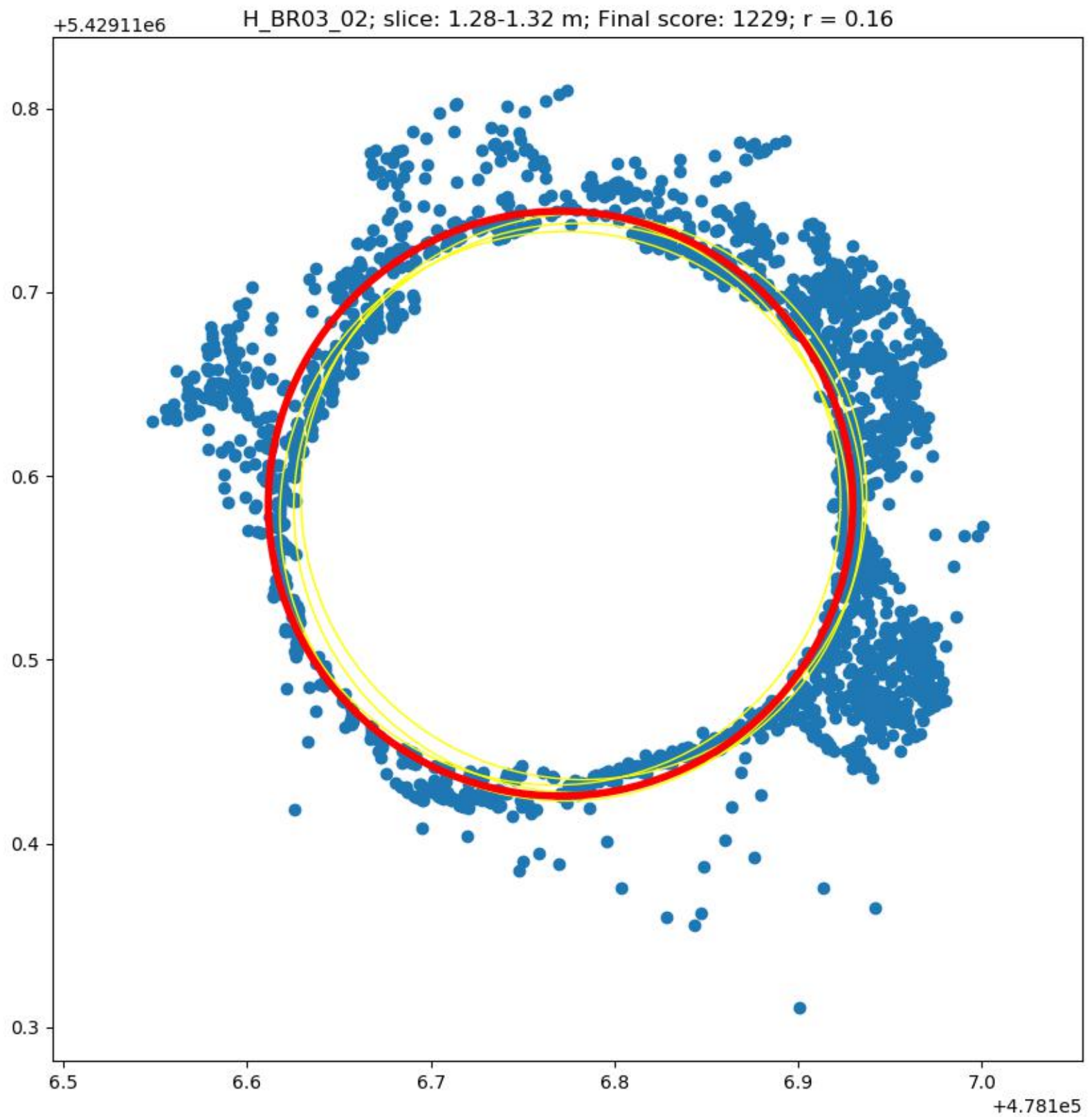
AbiAlb_SP02_05



AcePse_BR03_01



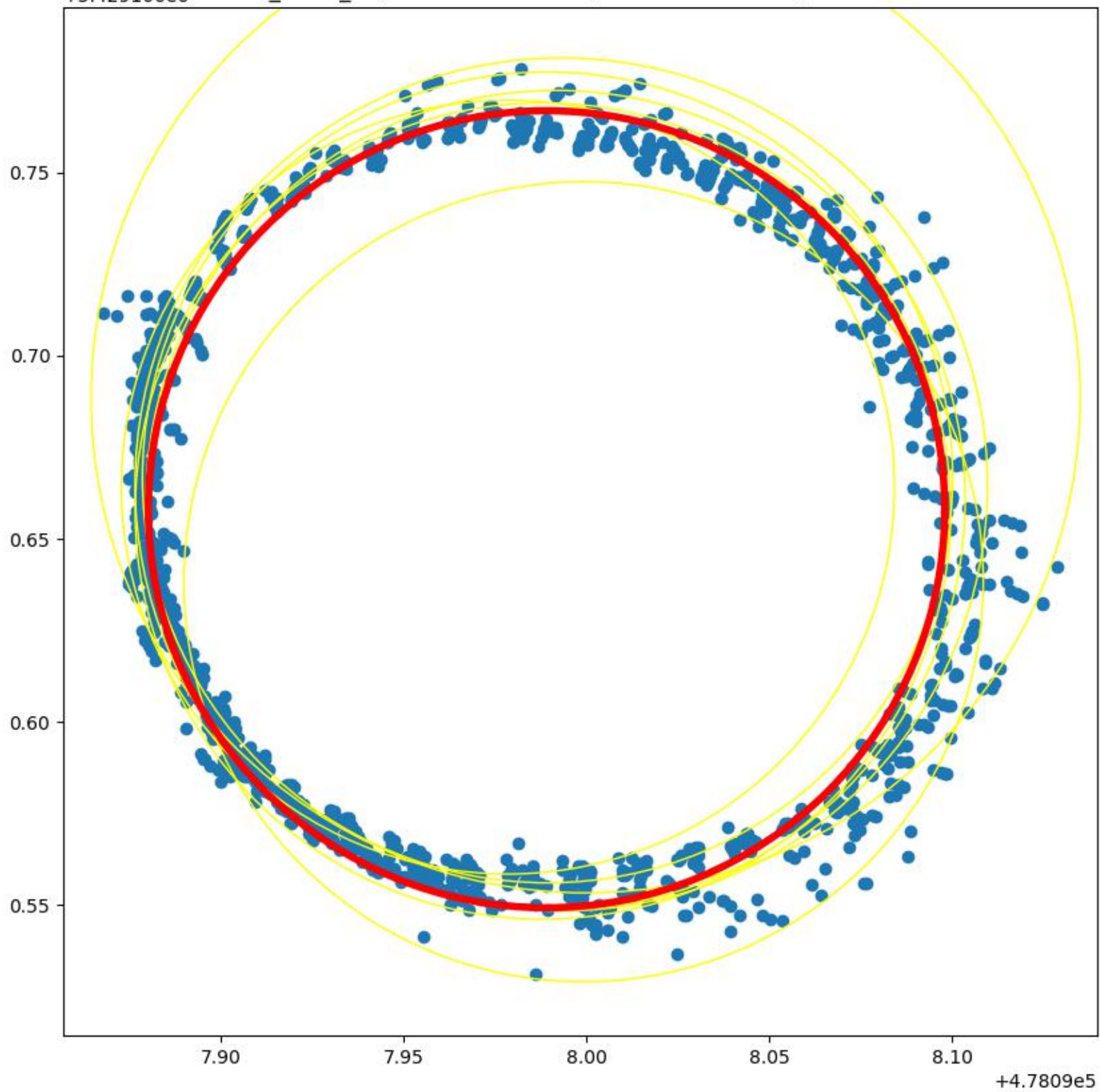
AcePse_BR03_02



AcePse_BR03_04

+5.429106e6

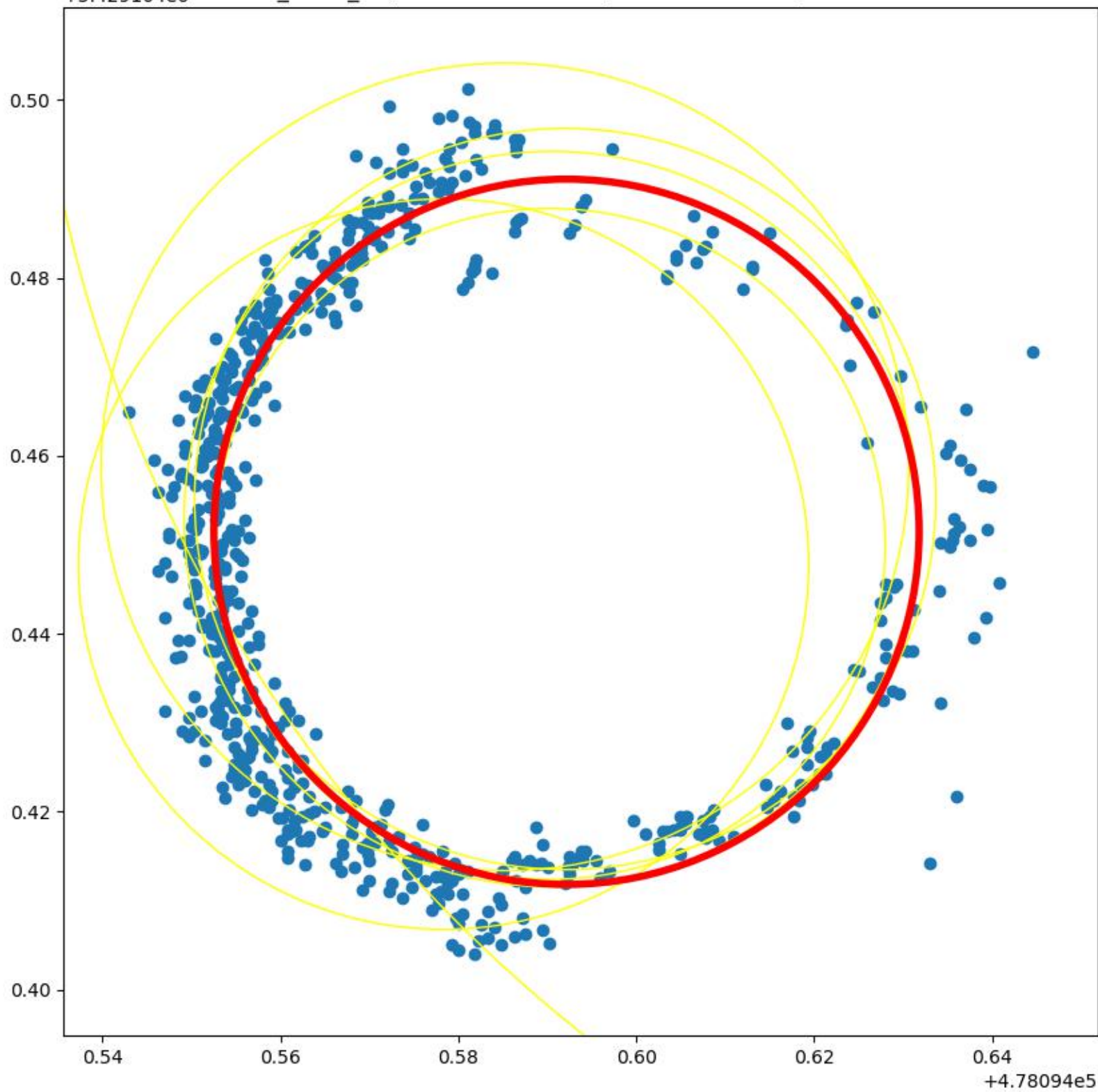
H_BR03_04; slice: 1.28-1.32 m; Final score: 1442; $r = 0.11$



AcePse_BR03_05

+5.429104e6

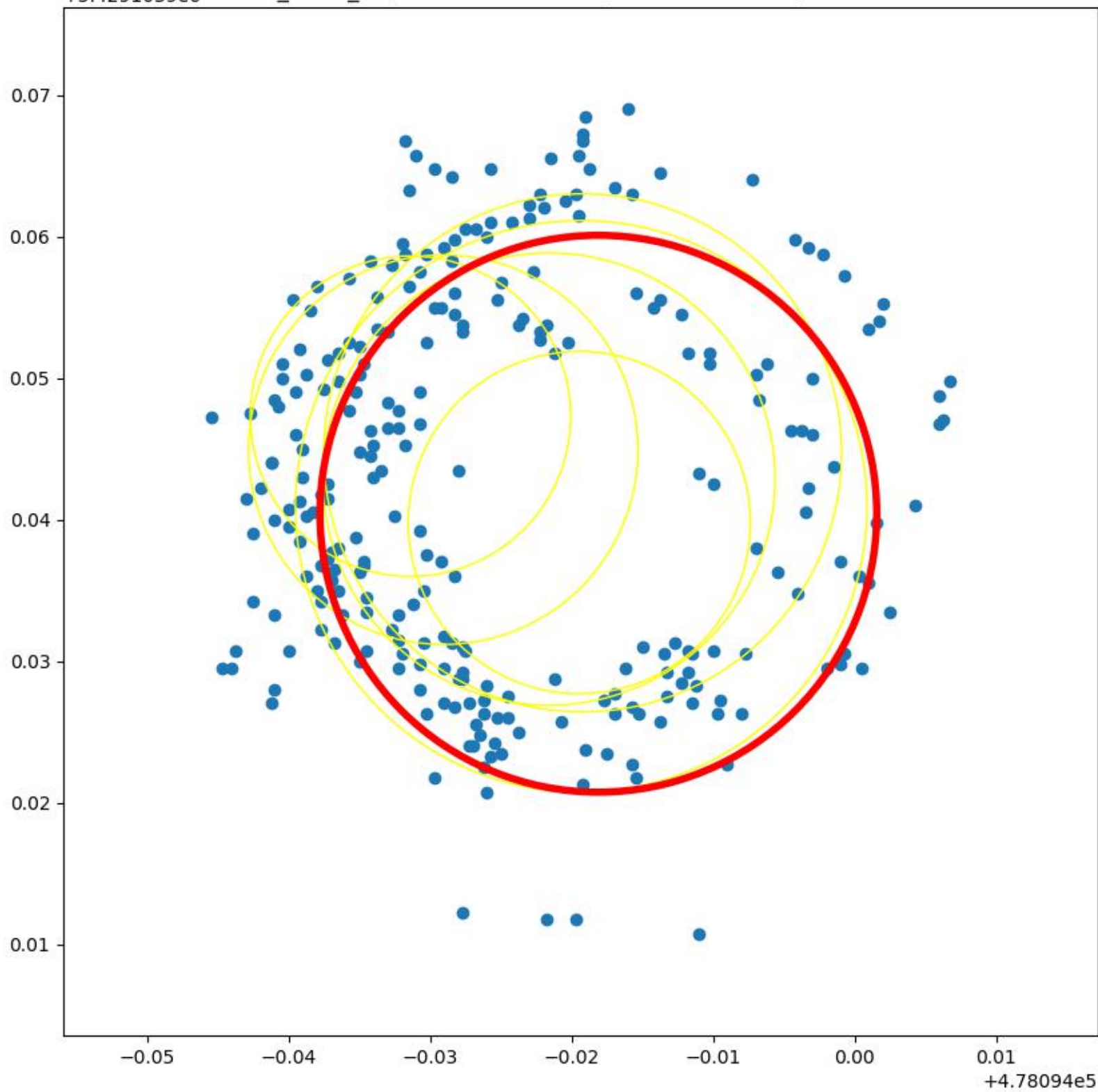
H_BR03_05; slice: 1.28-1.32 m; Final score: 633; $r = 0.04$



AcePse_BR03_06

+5.4291039e6

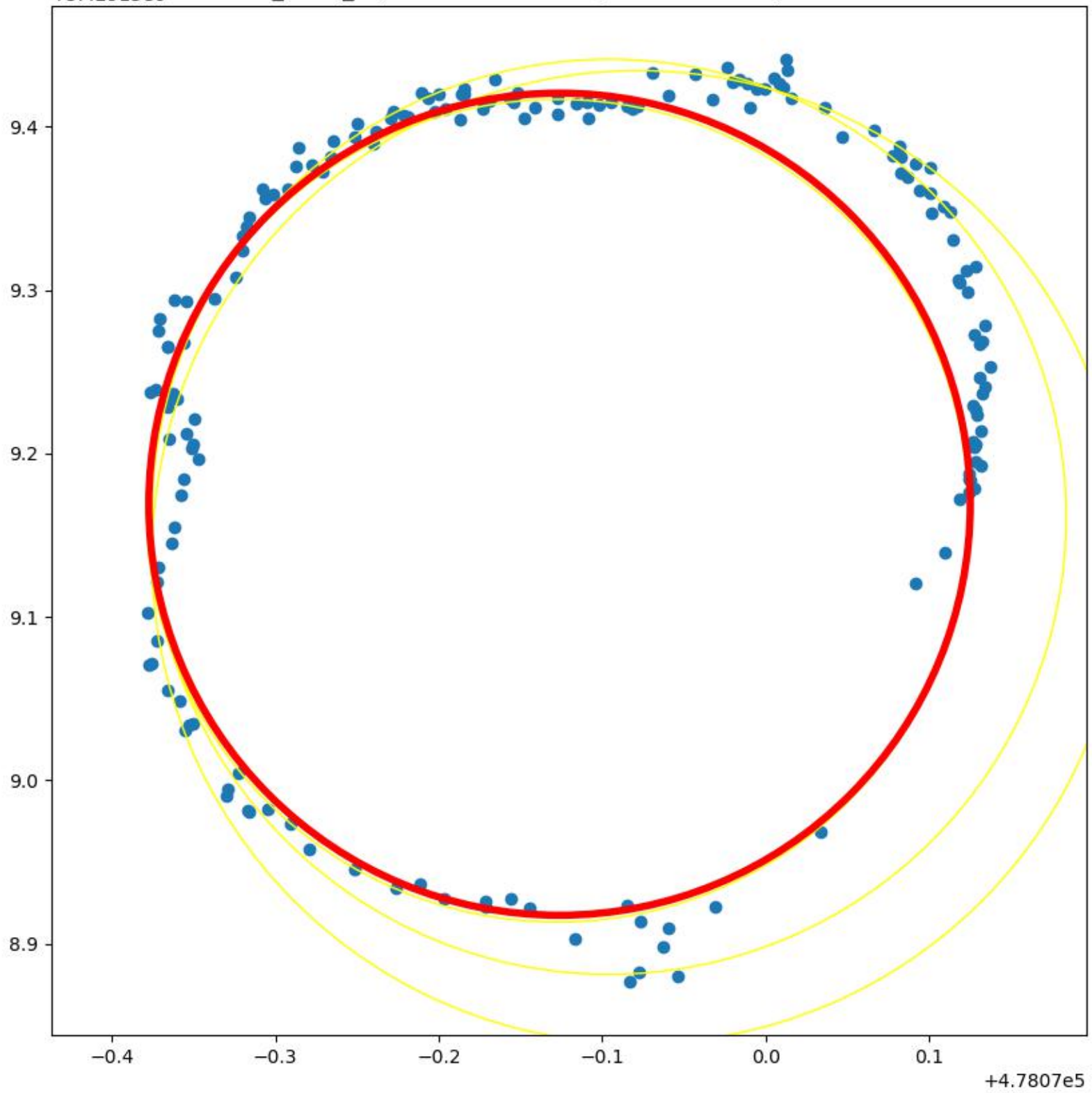
H_BR03_06; slice: 1.14-1.16 m; Final score: 261; $r = 0.02$



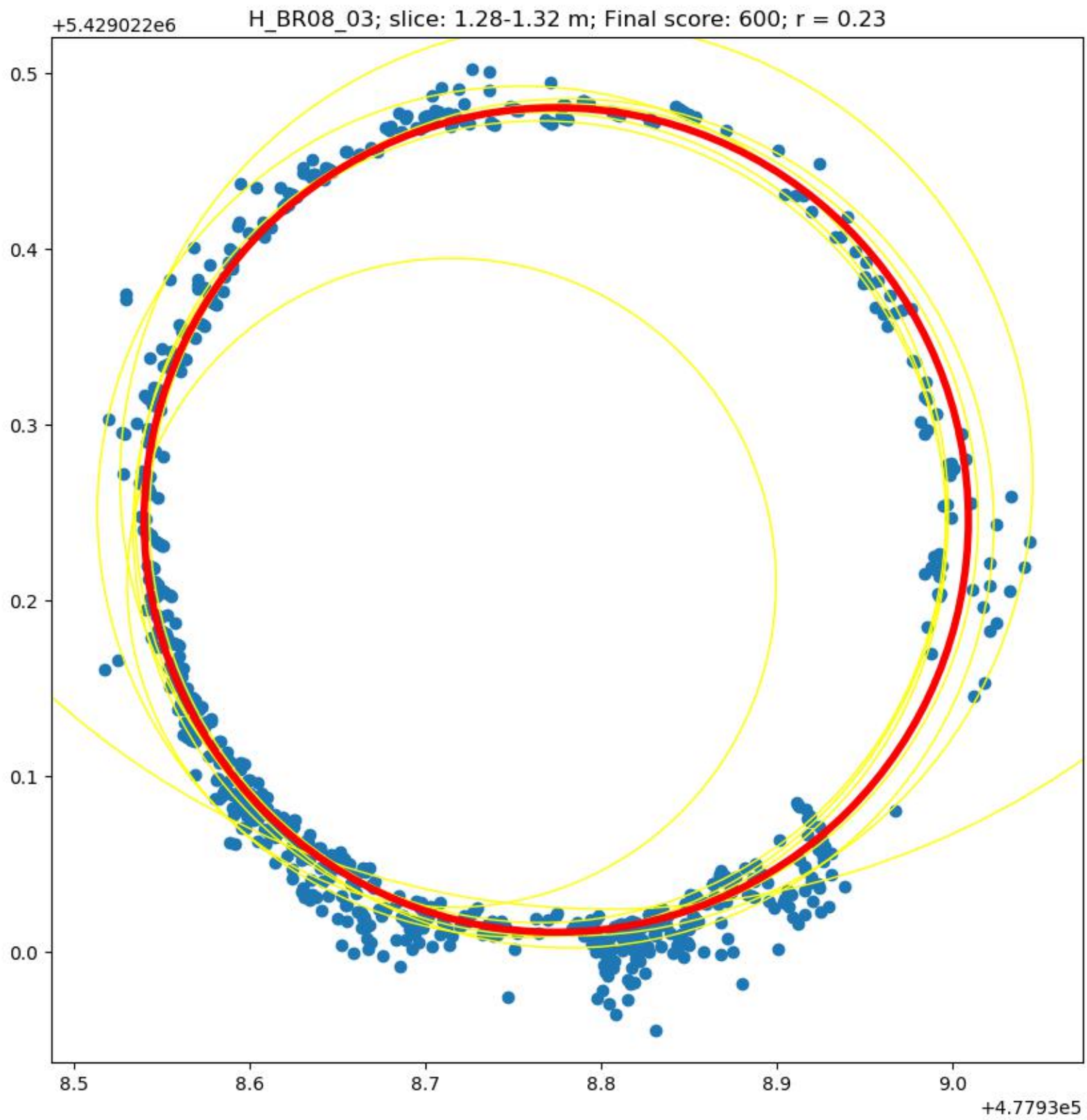
AcePse_BR03_P16T12

+5.42915e6

H_BR03_07; slice: 1.28-1.32 m; Final score: 88; $r = 0.25$



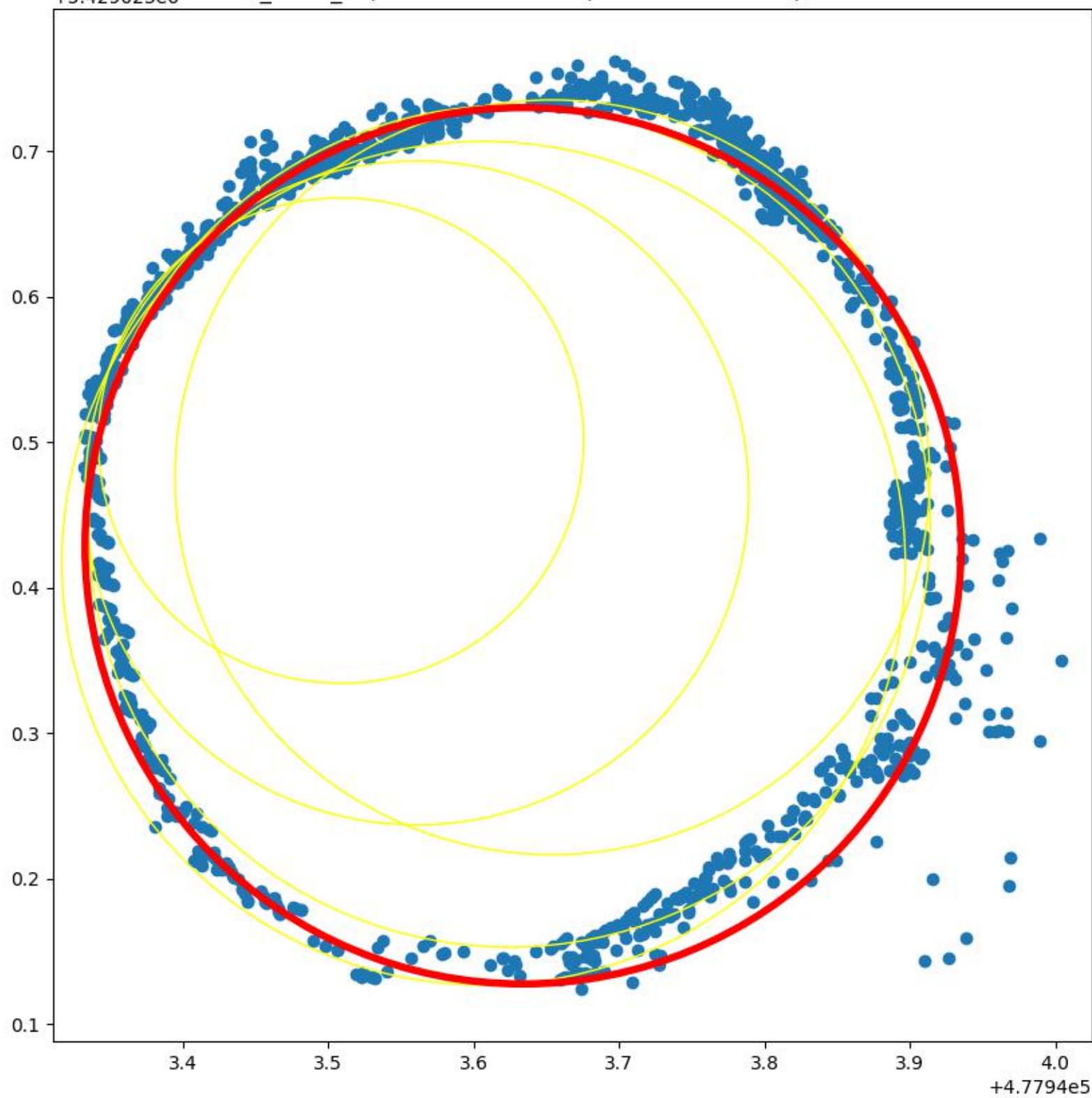
AcePse_BR08_03



AcePse_BR08_04

+5.429023e6

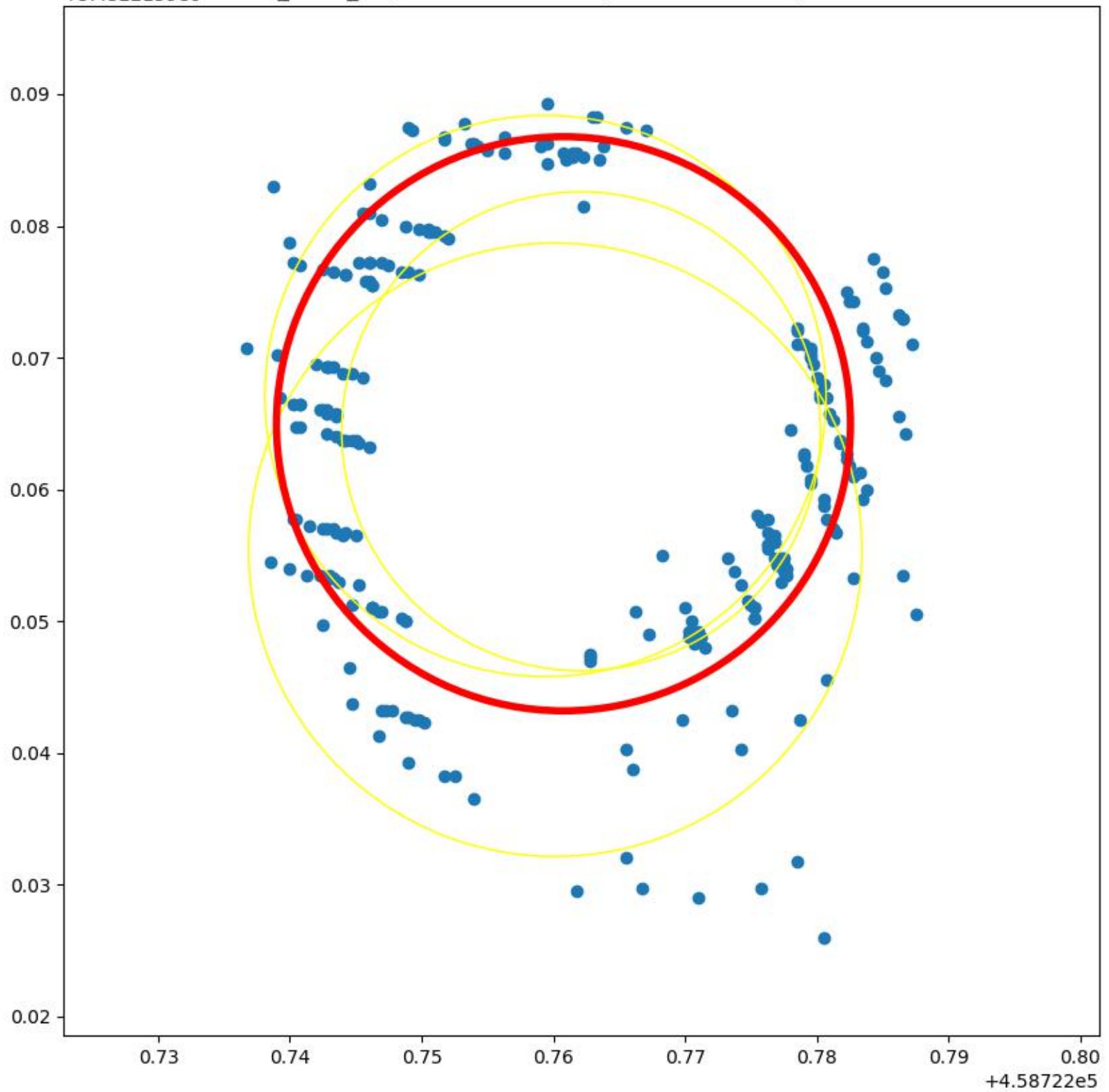
H_BR08_04; slice: 1.28-1.32 m; Final score: 1016; $r = 0.30$



AcePse_KA09_T049

+5.4322159e6

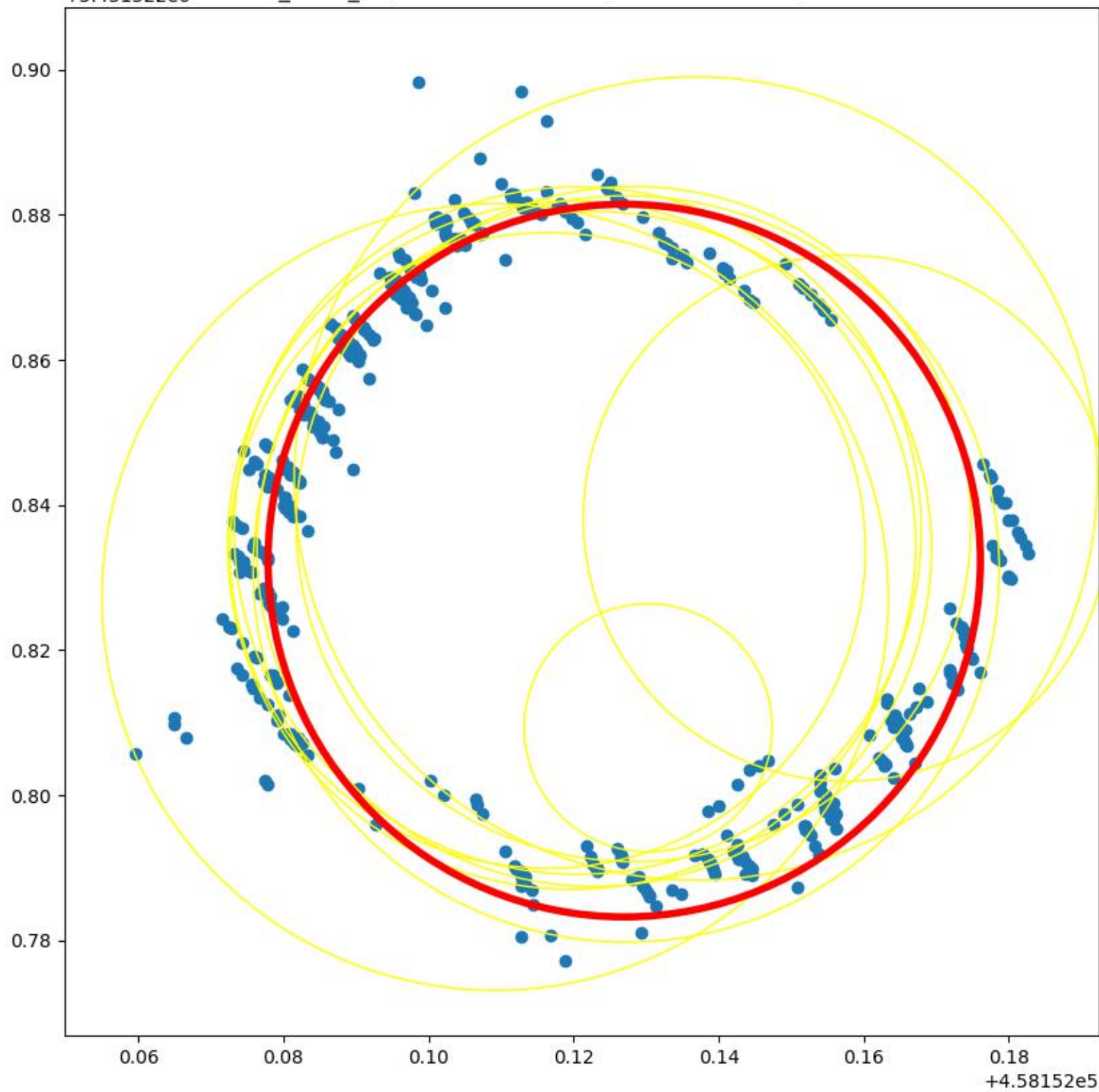
H_KA09_01; slice: 1.26-1.30 m; Final score: 244; $r = 0.02$



AcePse_KA11_01

+5.431522e6

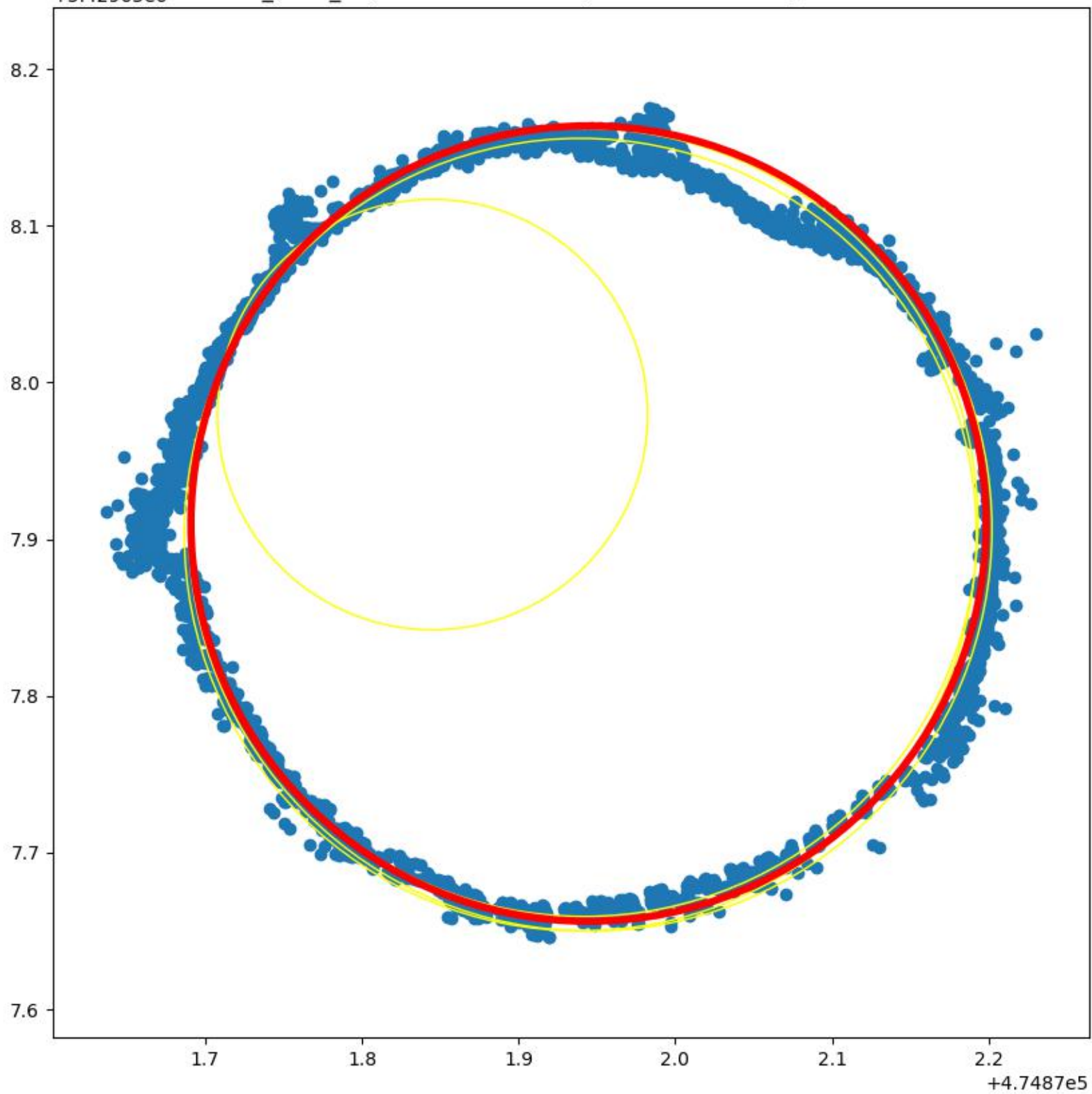
H_KA11_01; slice: 1.28-1.32 m; Final score: 451; $r = 0.05$



AcePse_SP02_01

+5.42965e6

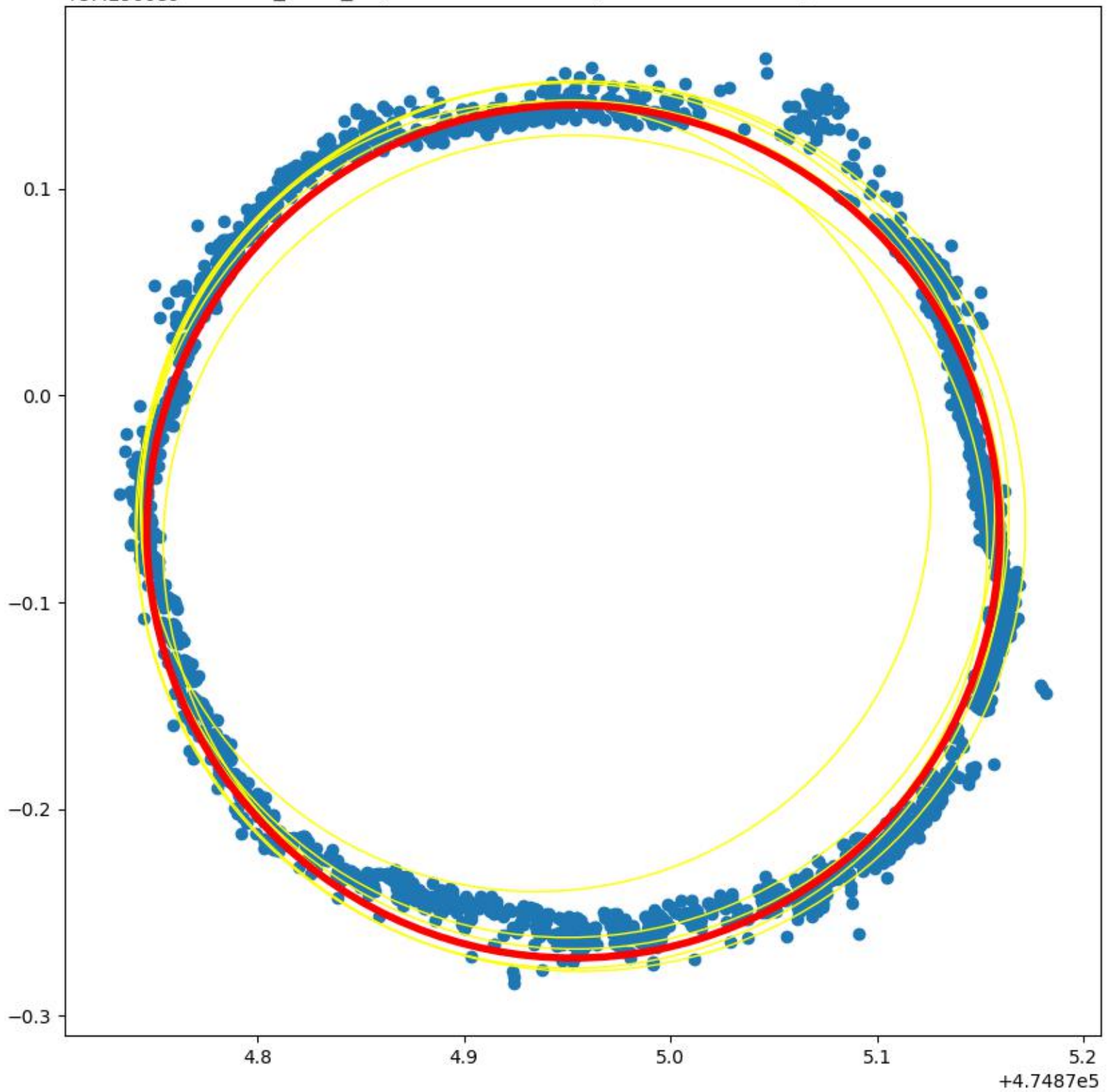
H_SP02_01; slice: 1.28-1.32 m; Final score: 3039; $r = 0.25$



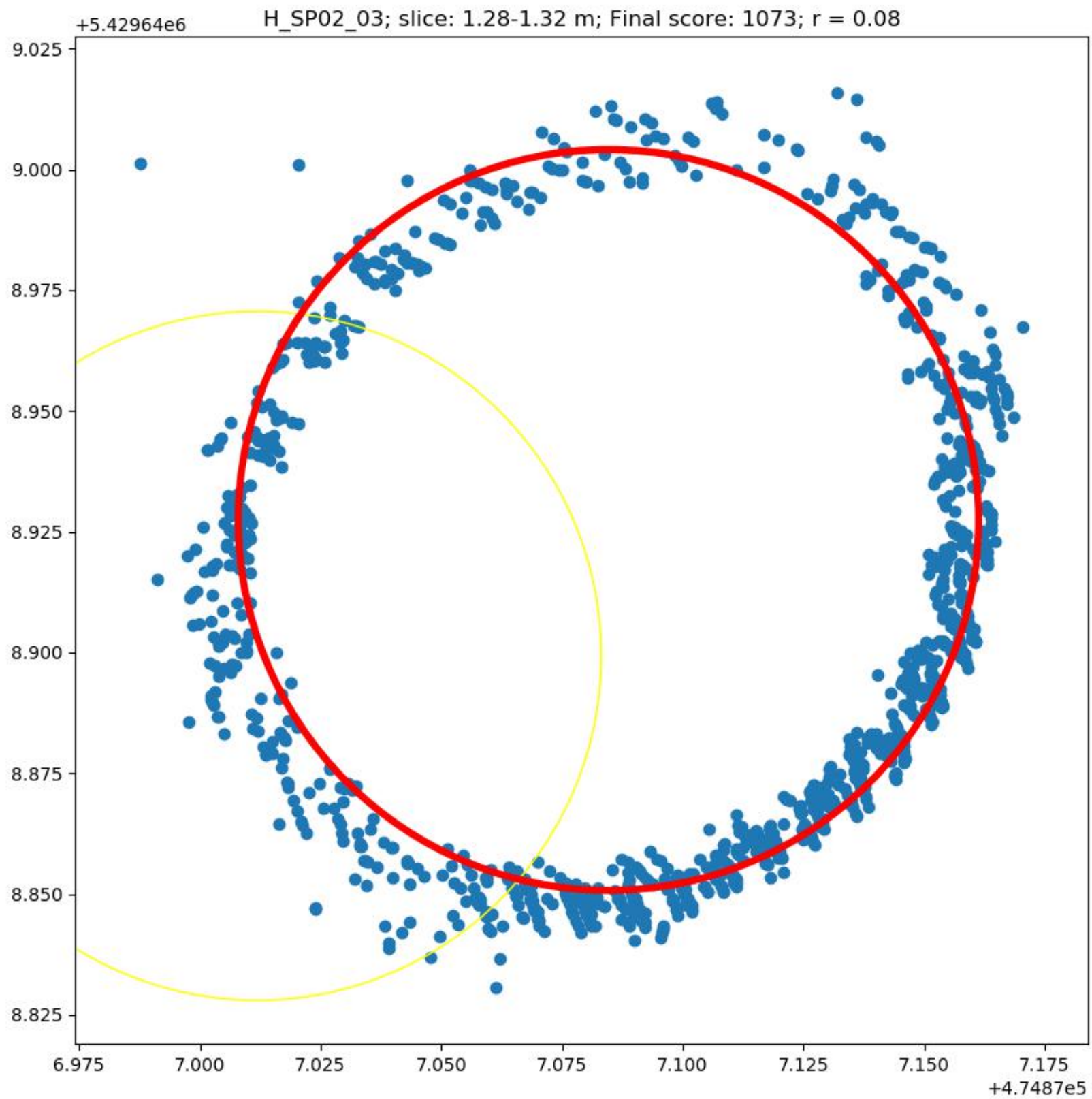
AcePse_SP02_02

+5.42966e6

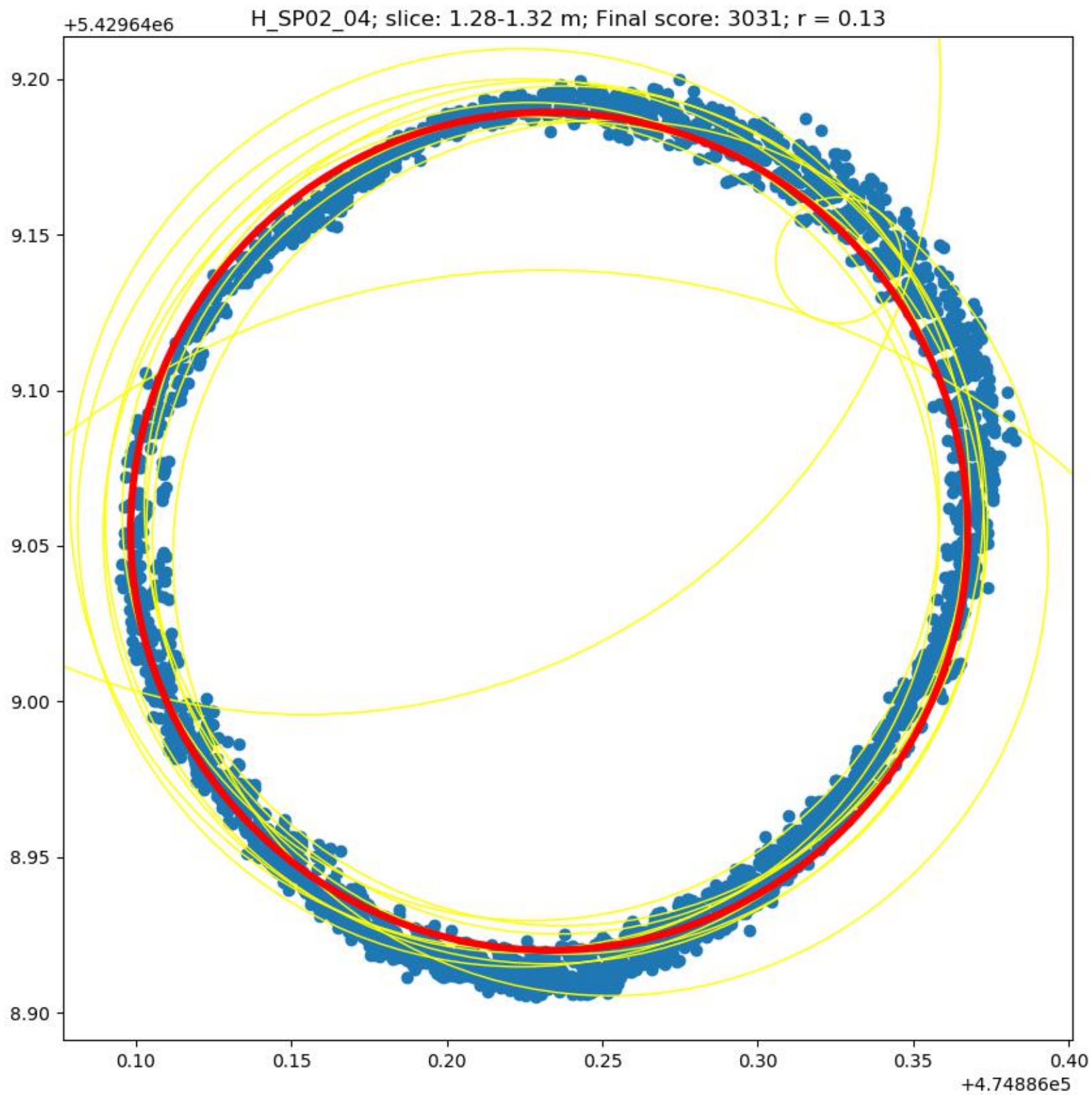
H_SP02_02; slice: 1.28-1.32 m; Final score: 2306; $r = 0.21$



AcePse_SP02_03



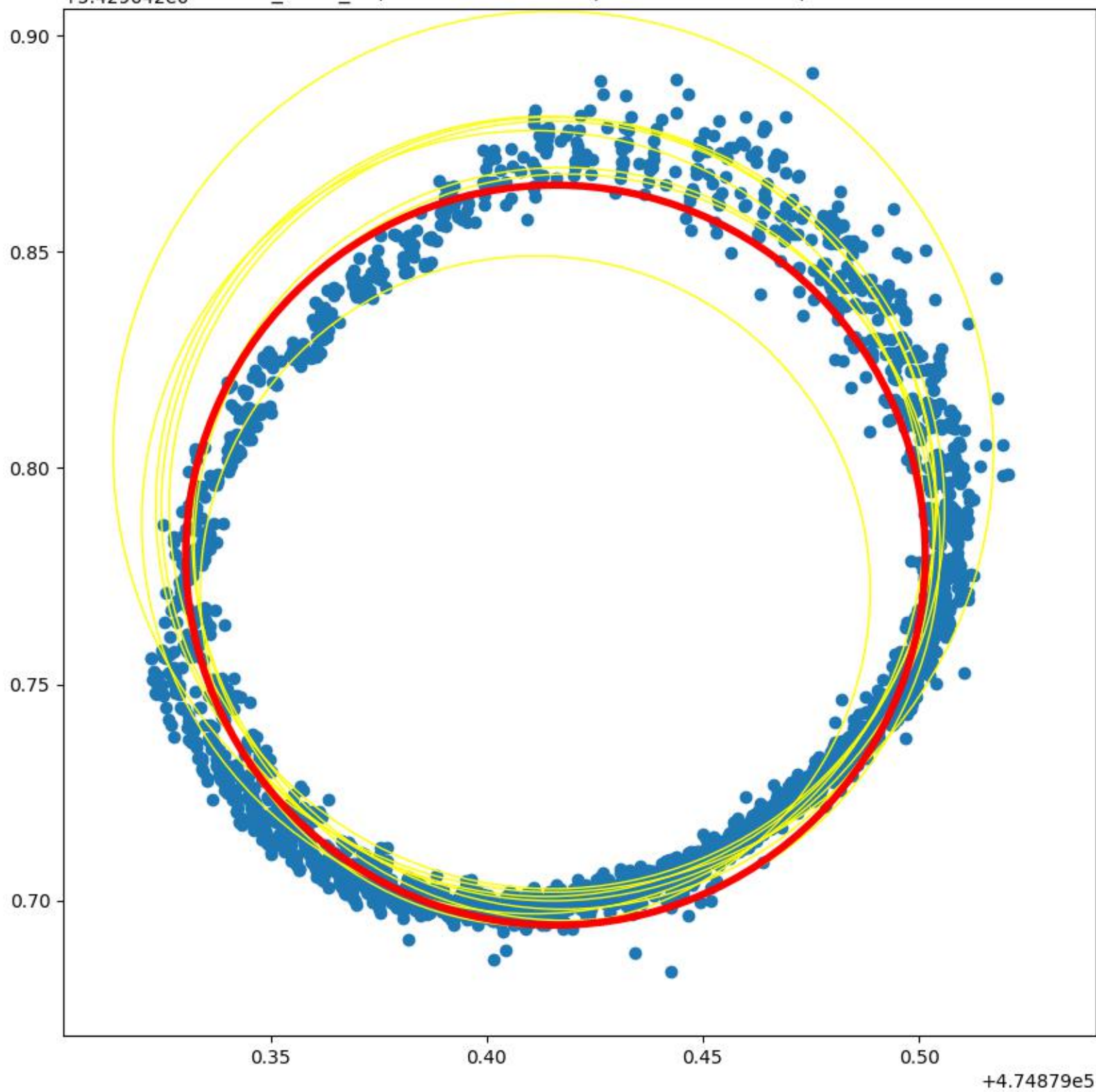
AcePse_SP02_04



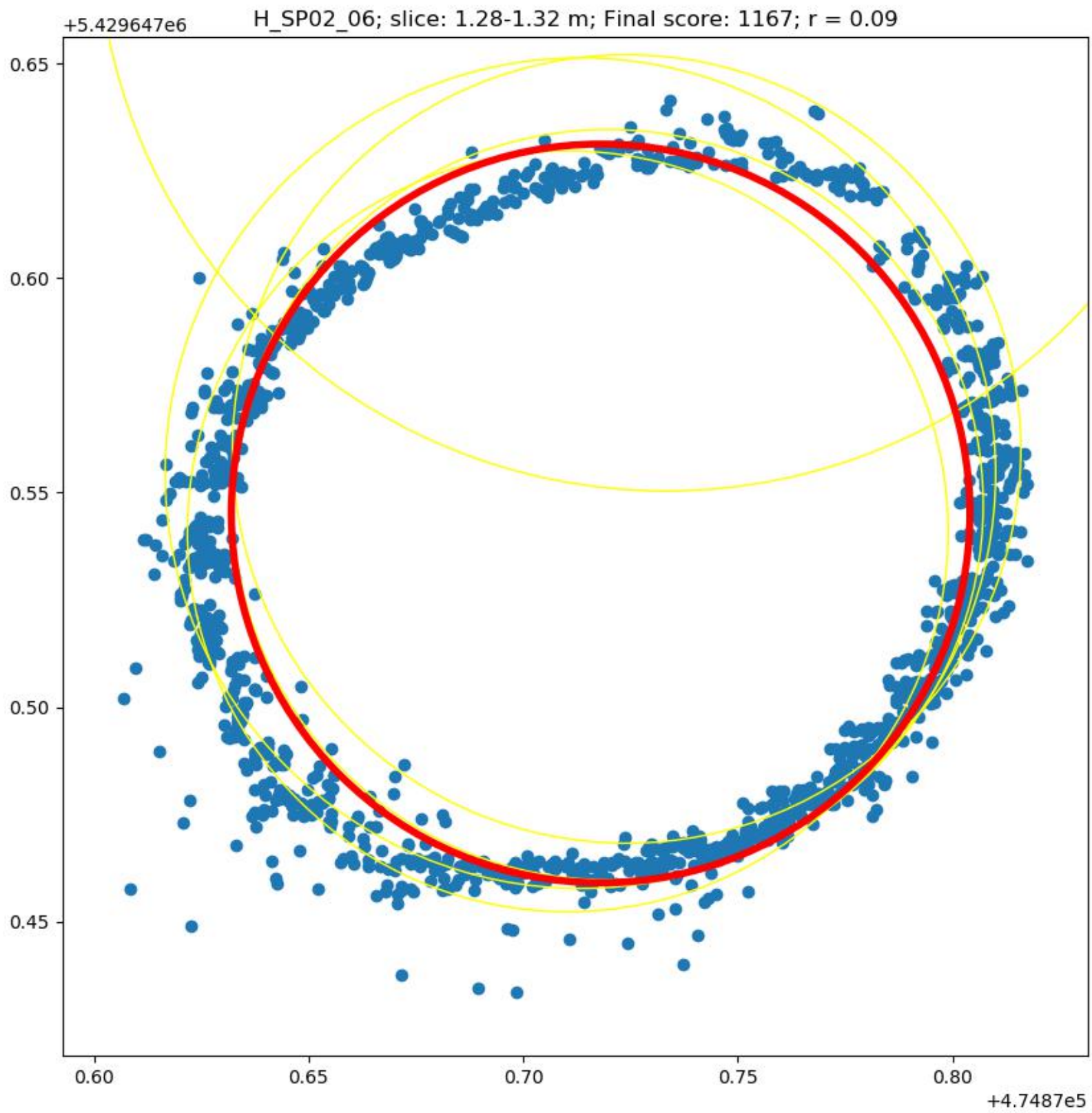
AcePse_SP02_05

+5.429642e6

H_SP02_05; slice: 1.28-1.32 m; Final score: 2986; $r = 0.09$



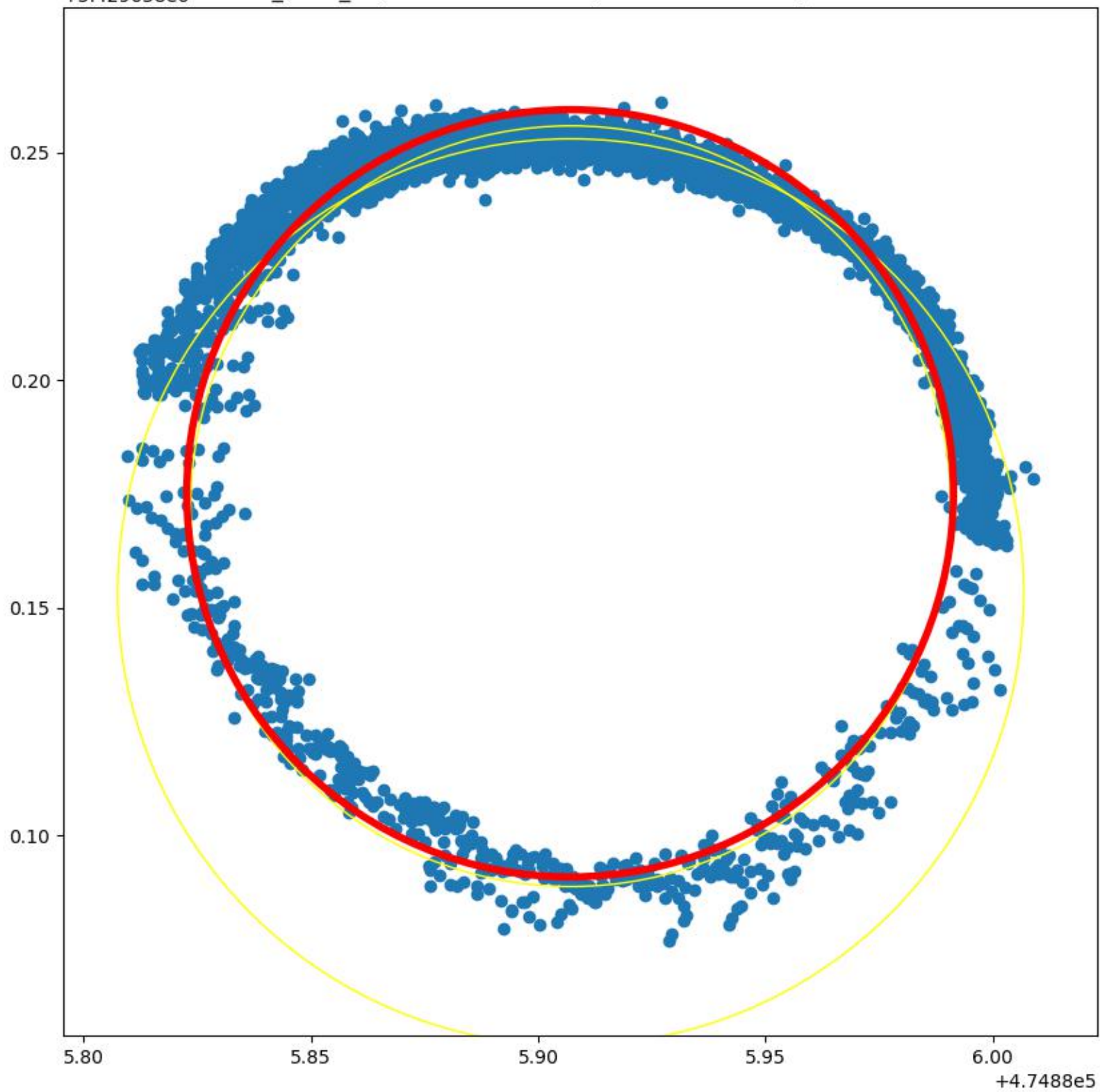
AcePse_SP02_06



AcePse_SP02_07

+5.429658e6

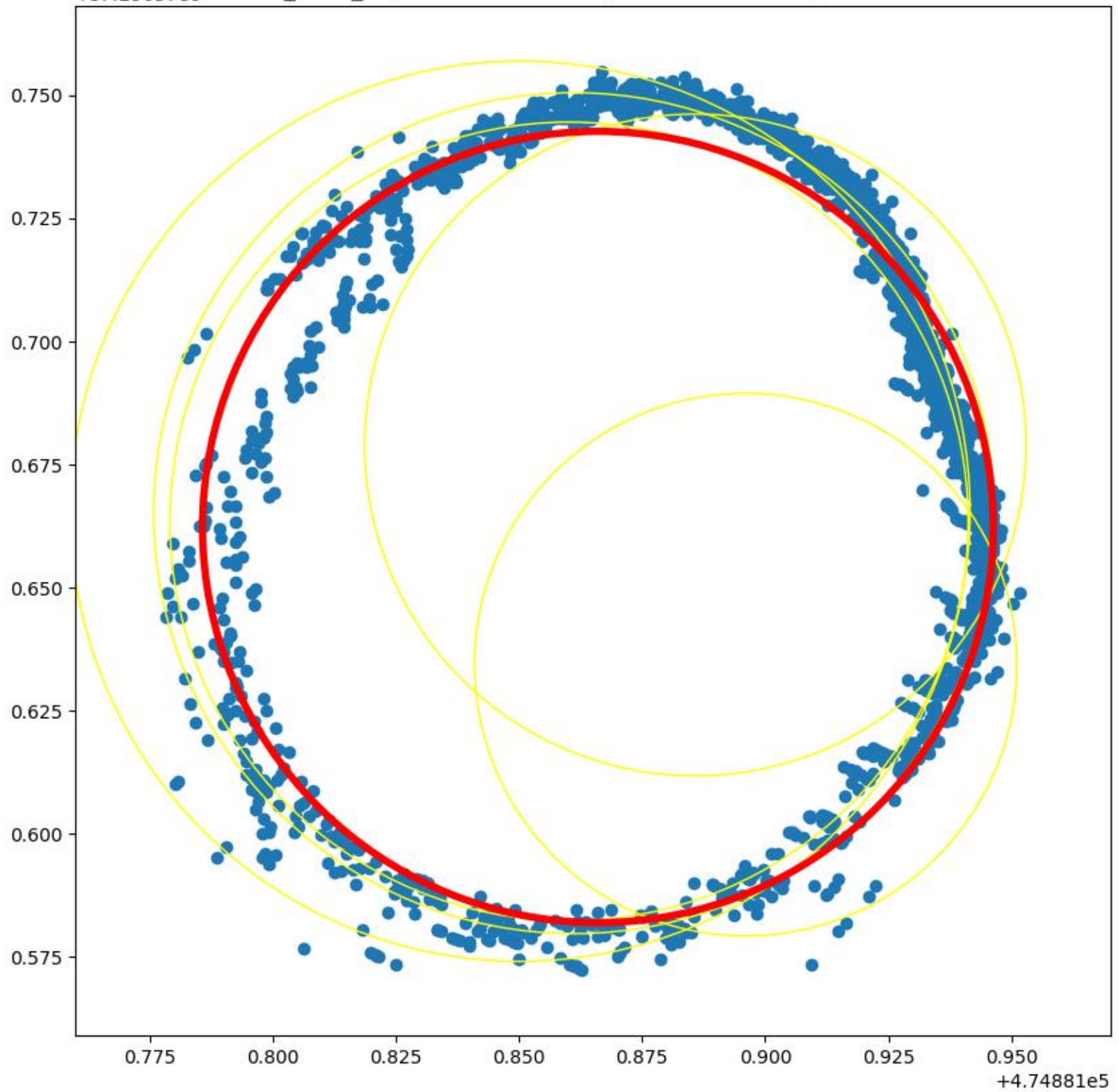
H_SP02_07; slice: 1.28-1.32 m; Final score: 3840; $r = 0.08$



AcePse_SP02_08

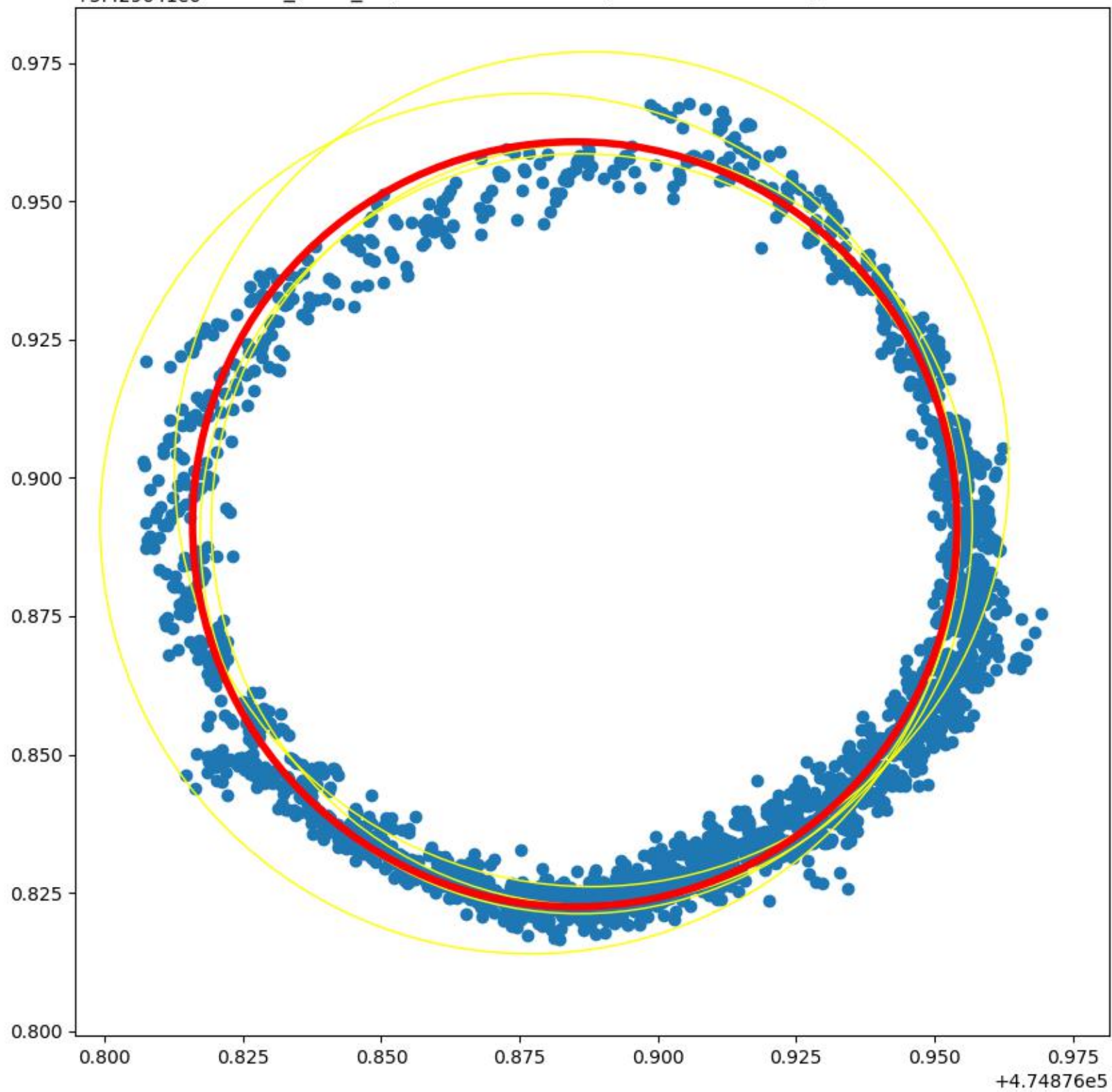
+5.429657e6

H_SP02_08; slice: 1.28-1.32 m; Final score: 1940; $r = 0.08$



AcePse_SP02_09

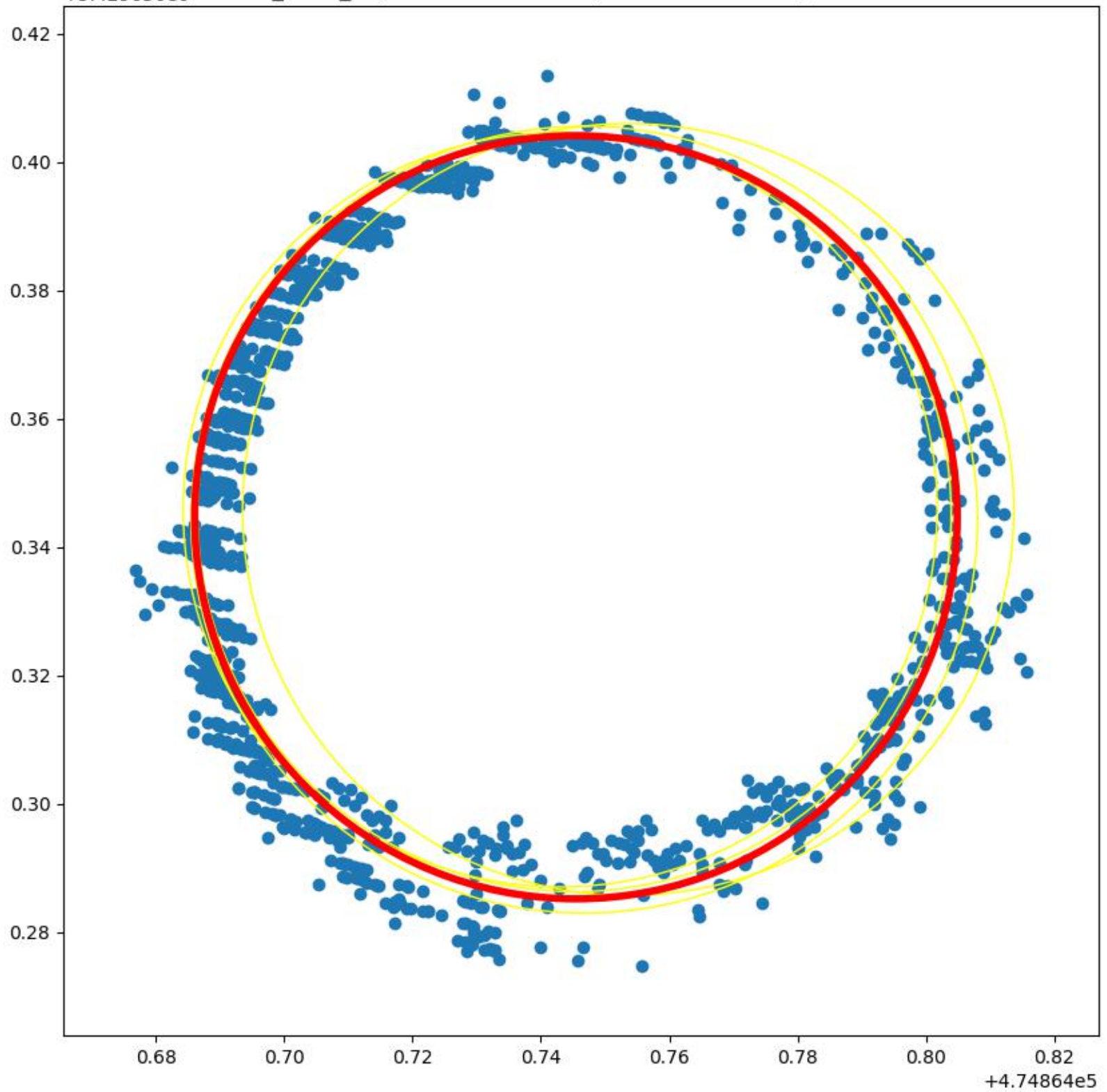
+5.429641e6 H_SP02_09; slice: 1.28-1.32 m; Final score: 2337; $r = 0.07$



AcePse_SP02_10

+5.429656e6

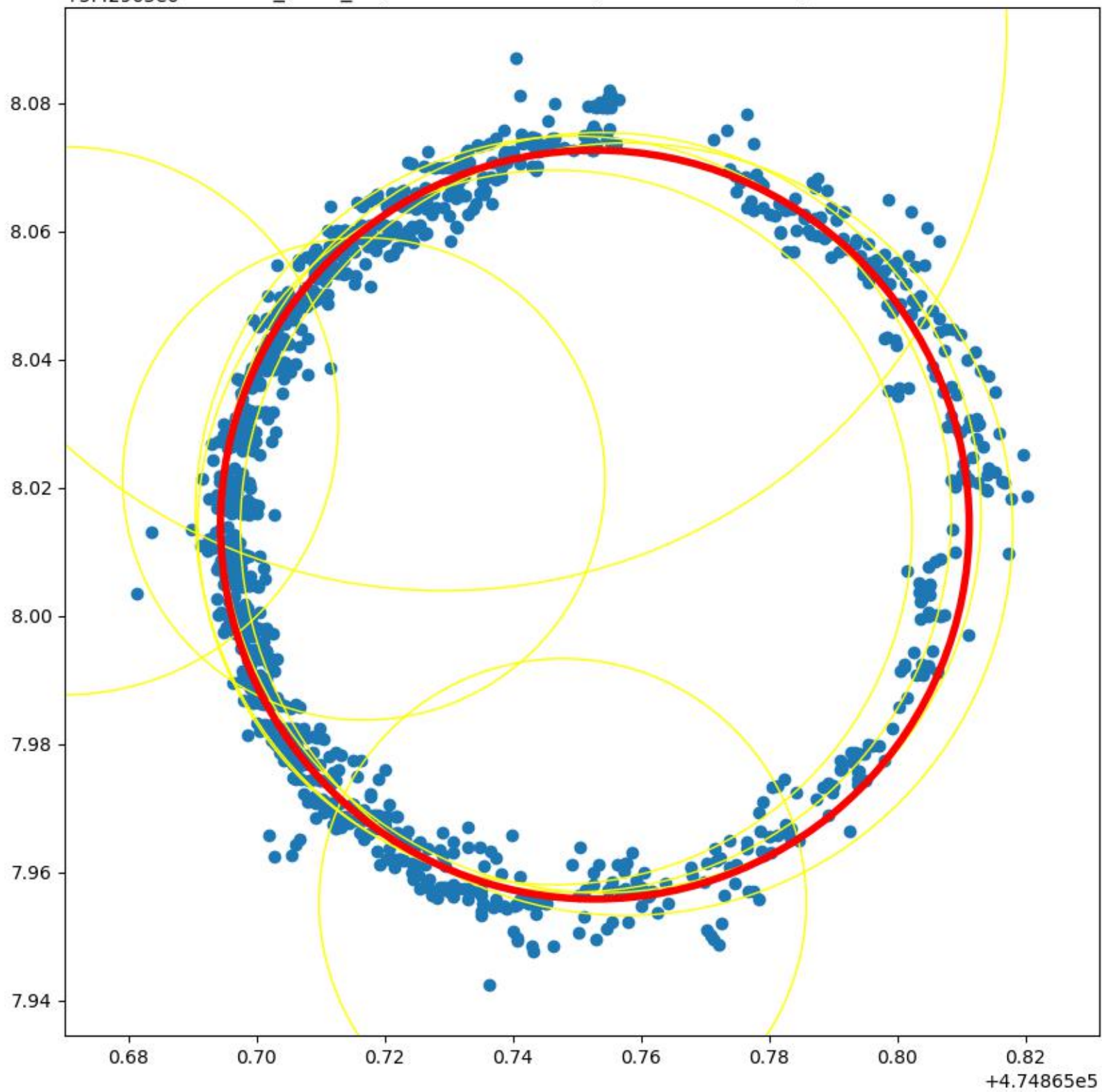
H_SP02_10; slice: 1.28-1.32 m; Final score: 1295; $r = 0.06$



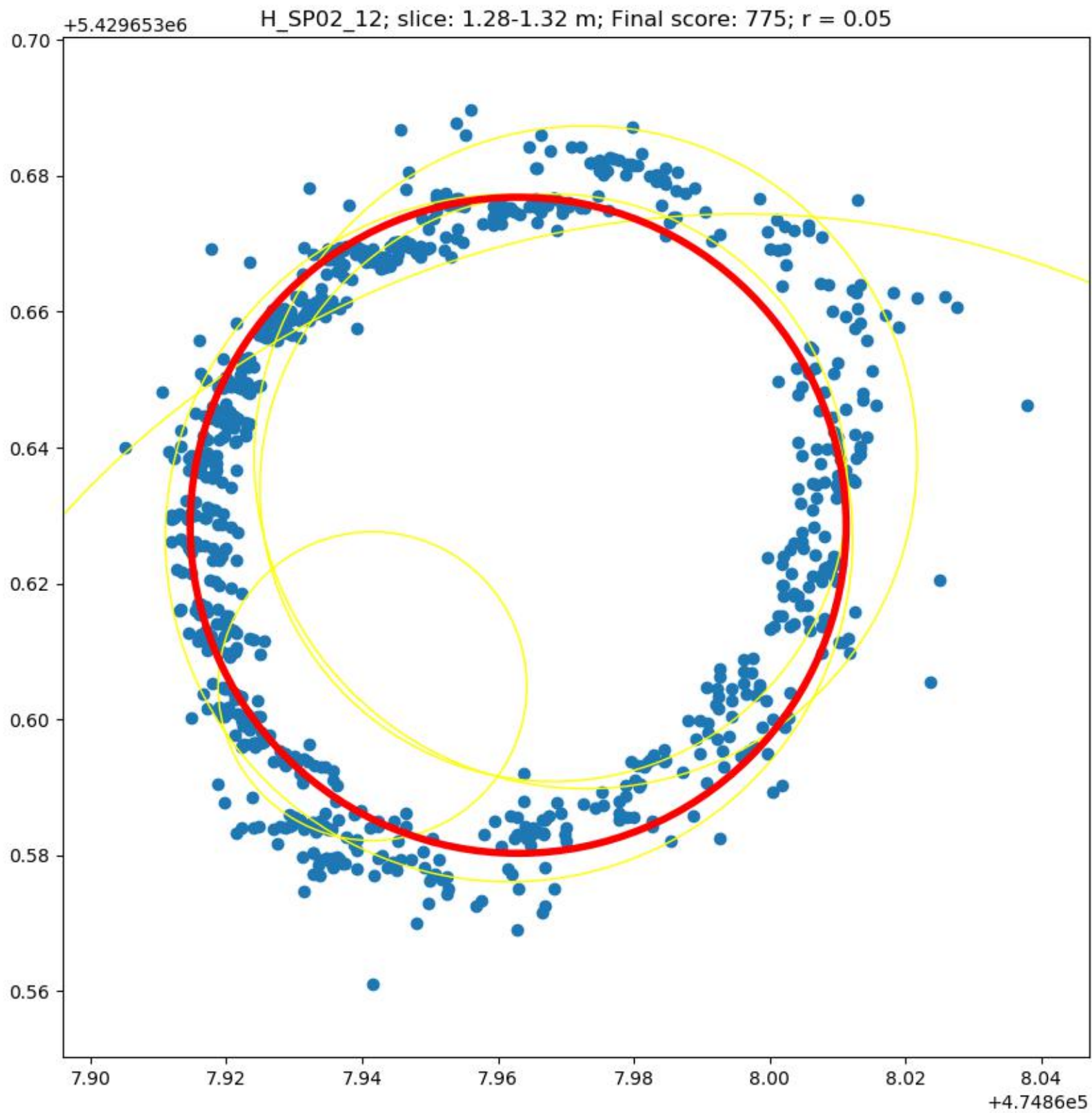
AcePse_SP02_11

+5.42965e6

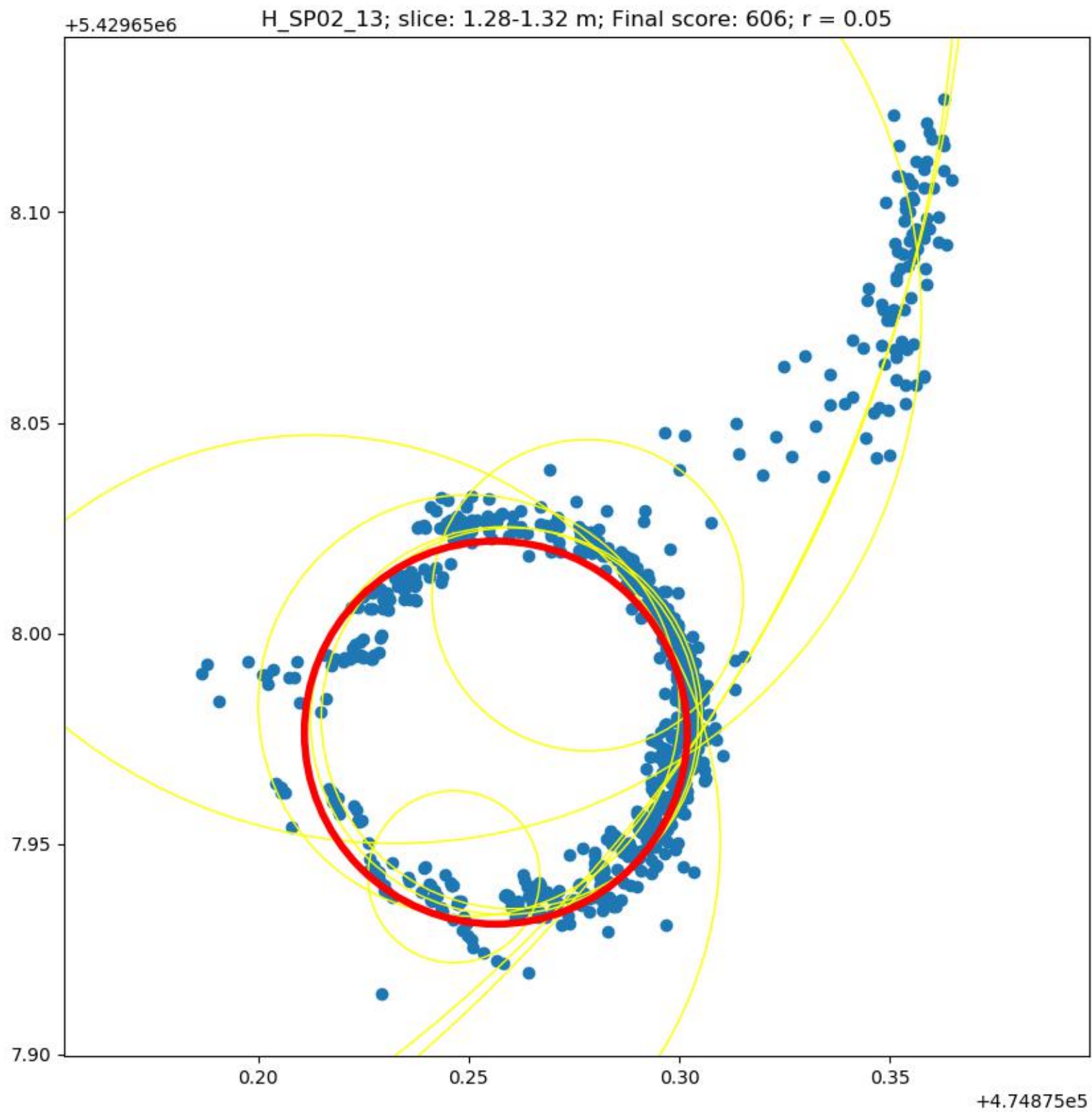
H_SP02_11; slice: 1.28-1.32 m; Final score: 1210; $r = 0.06$



AcePse_SP02_12



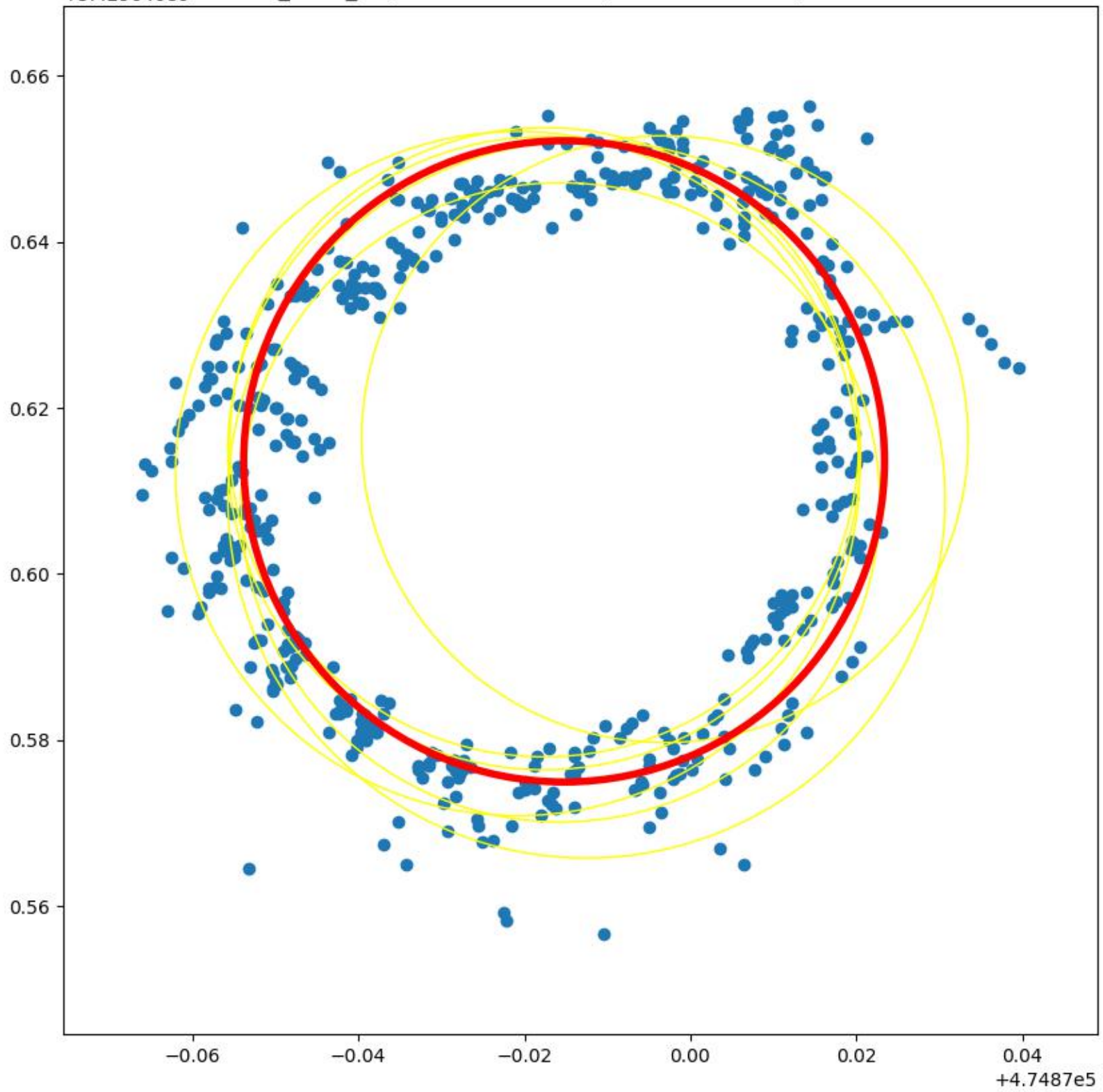
AcePse_SP02_13



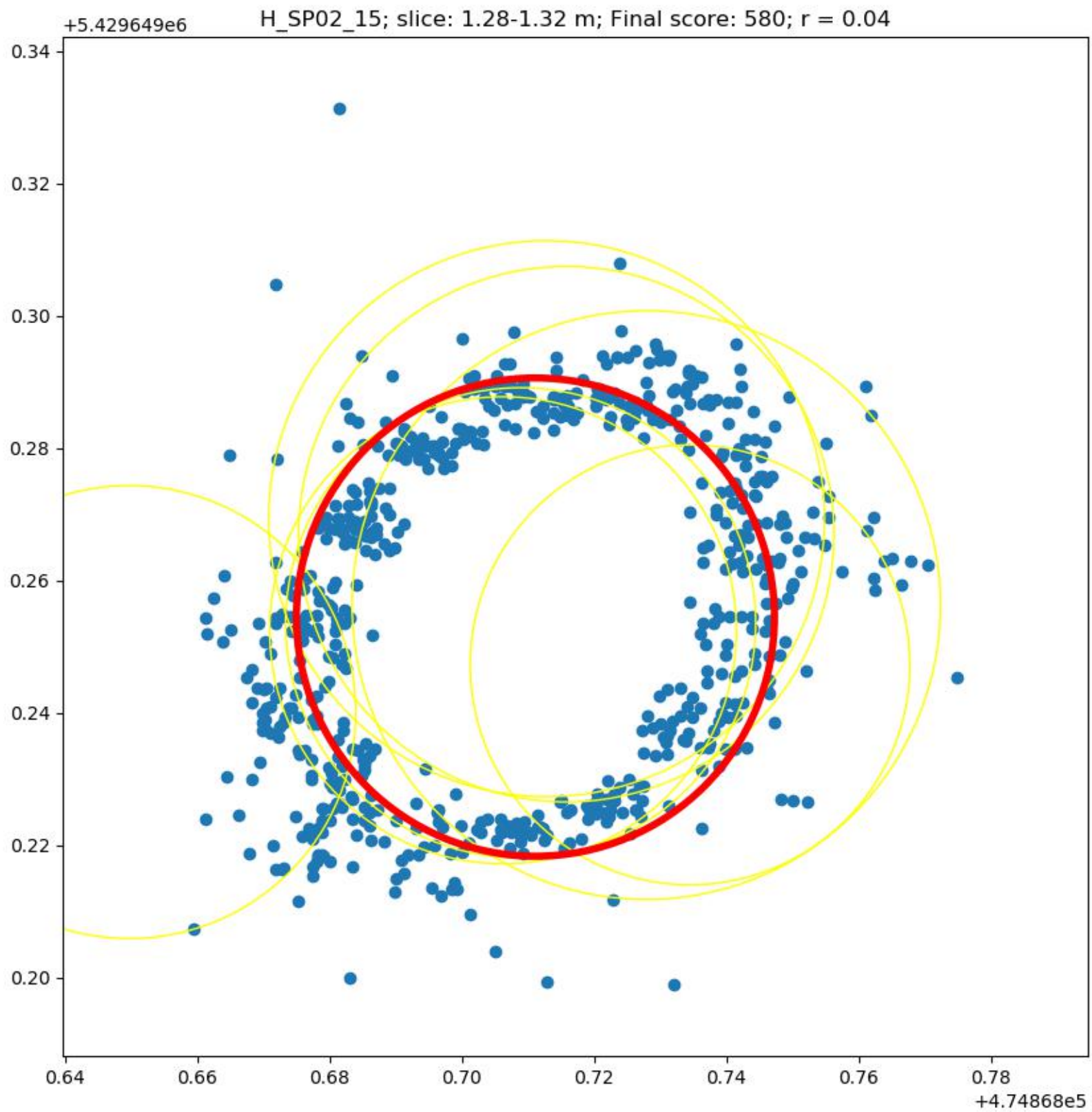
AcePse_SP02_14

+5.429646e6

H_SP02_14; slice: 1.28-1.32 m; Final score: 519; $r = 0.04$

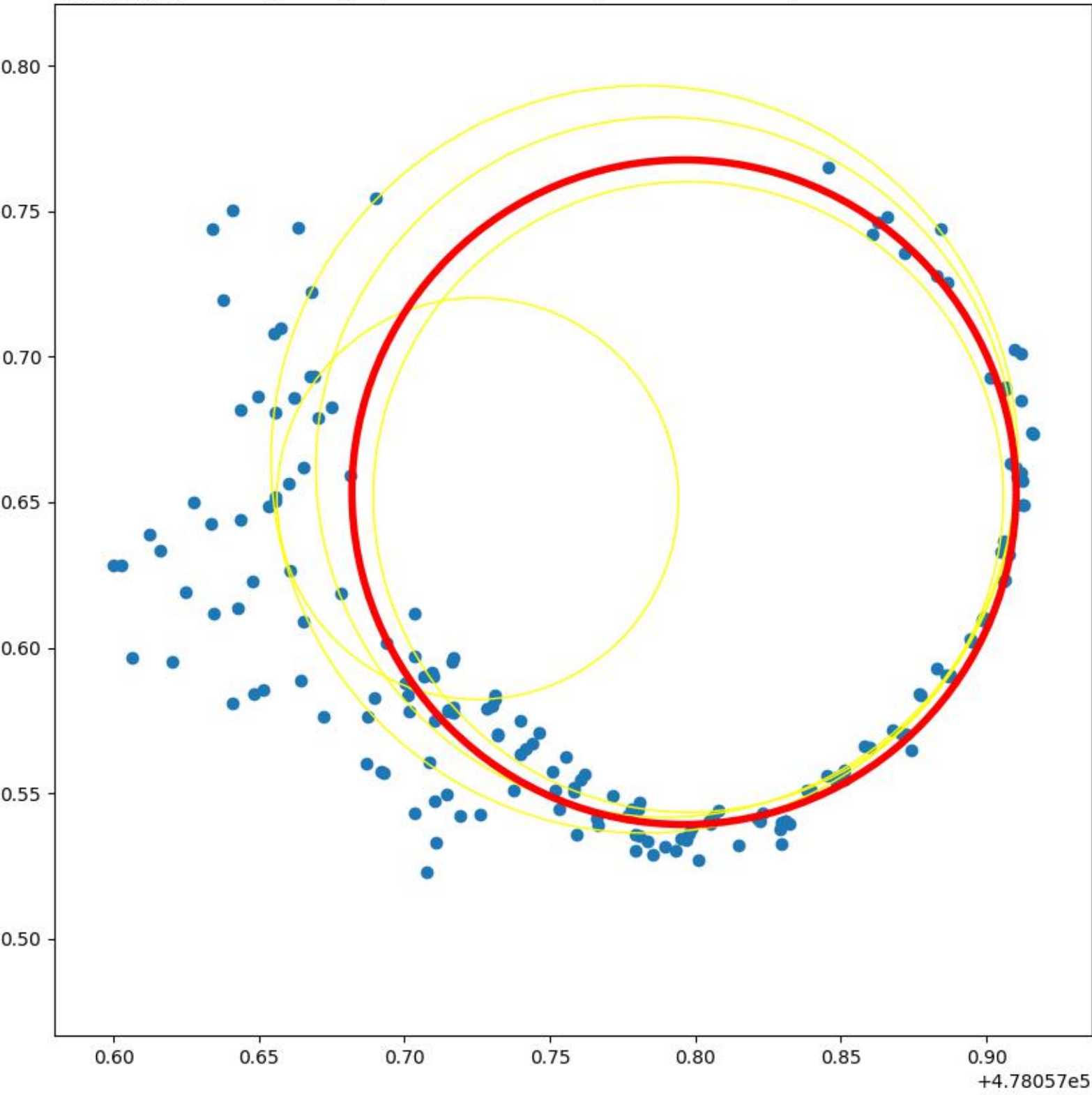


AcePse_SP02_15

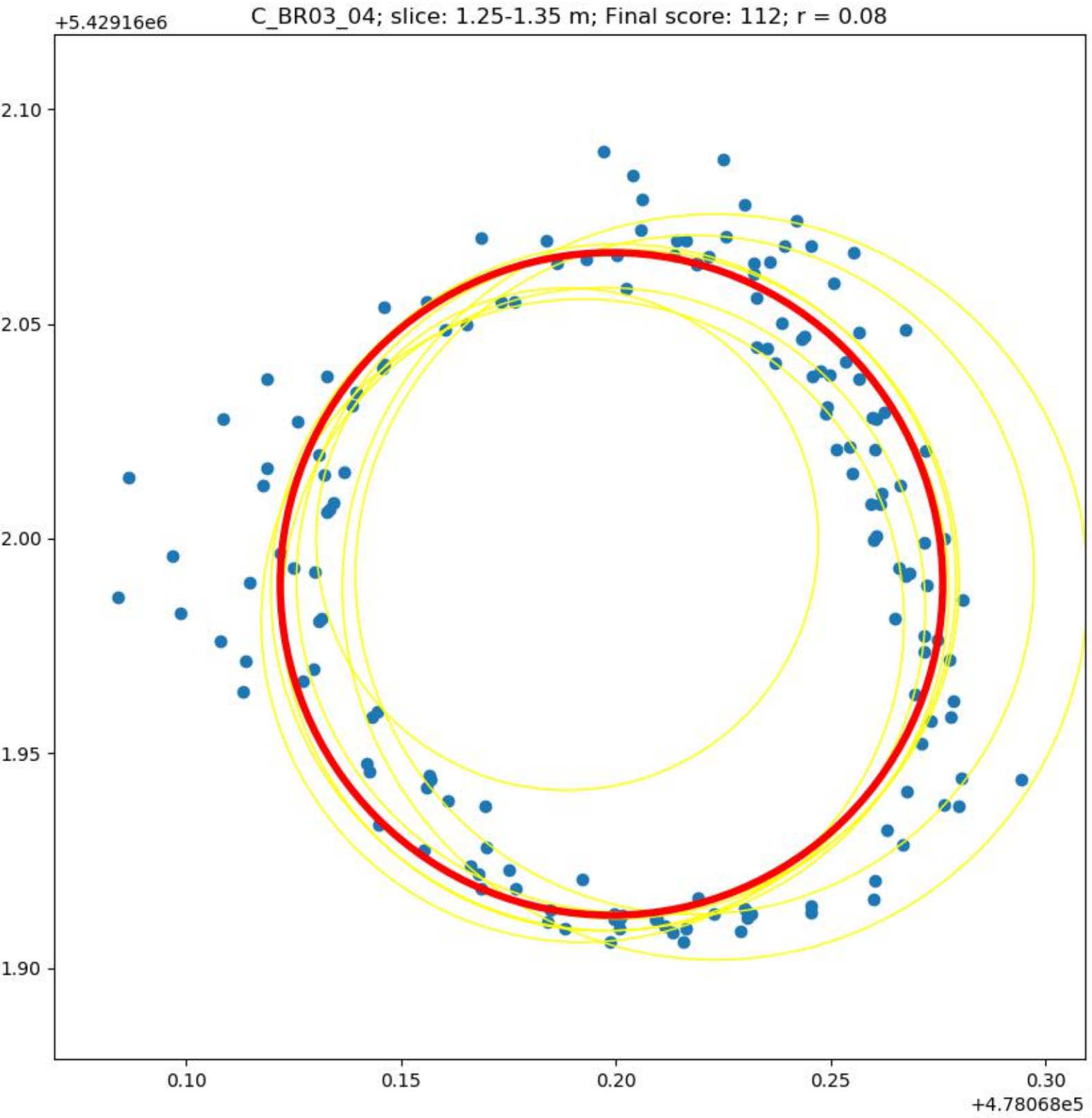


CarBet_BR03_P16T10

+5.429159e6 C_BR03_03; slice: 1.25-1.35 m; Final score: 113; $r = 0.11$

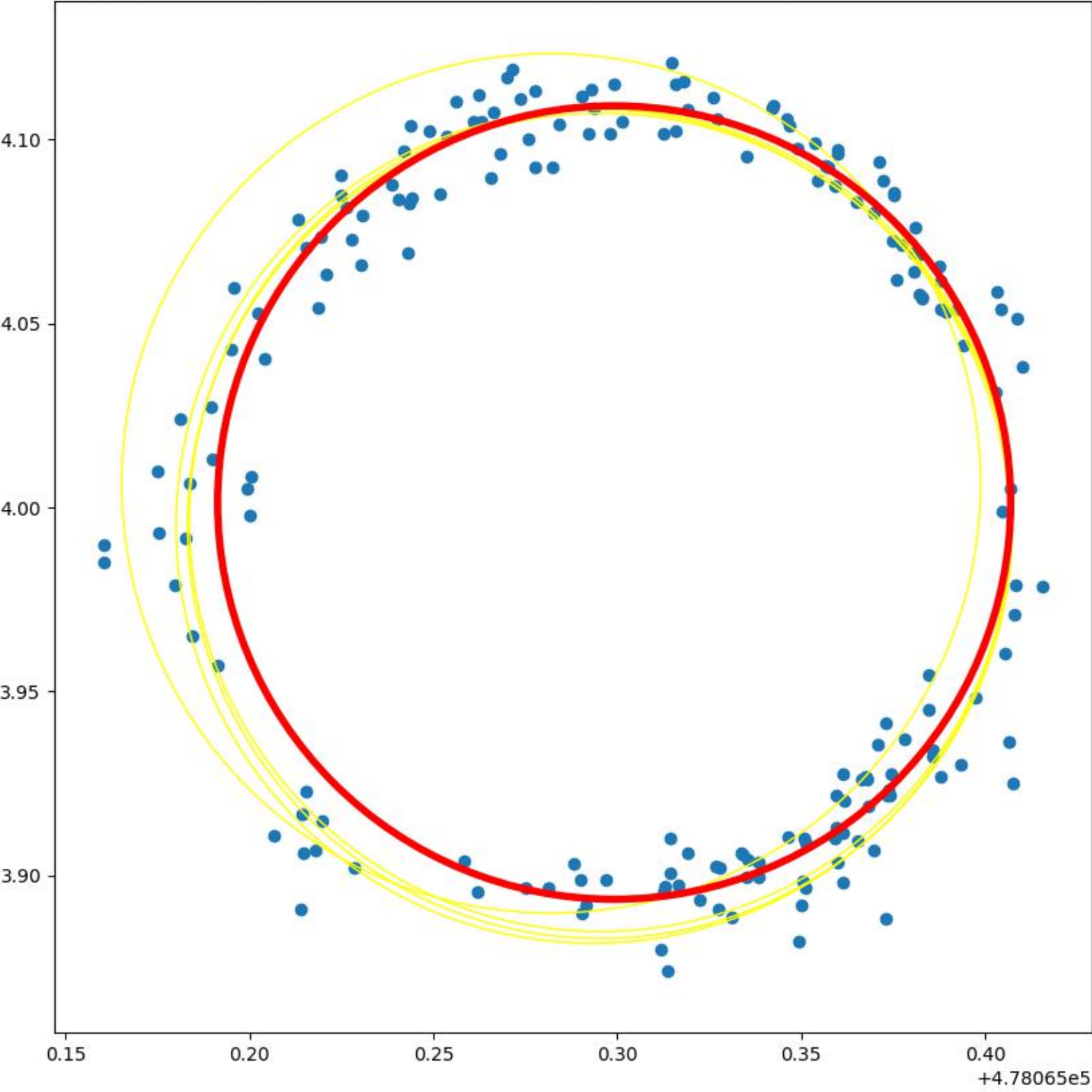


CarBet_BR03_P16T11



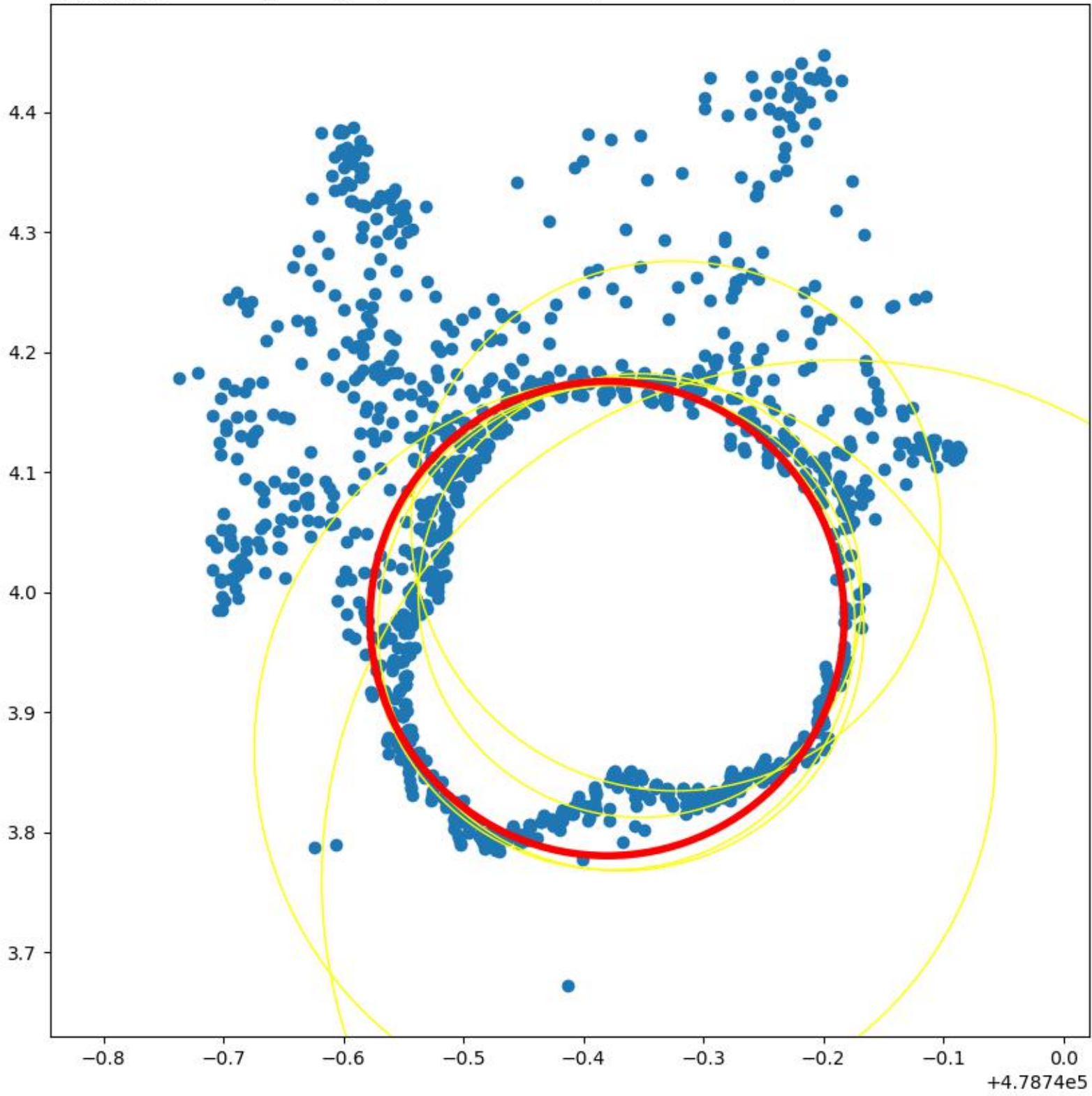
CarBet_BR03_P16T5

+5.42915e6 C_BR03_02; slice: 1.25-1.35 m; Final score: 146; r = 0.11

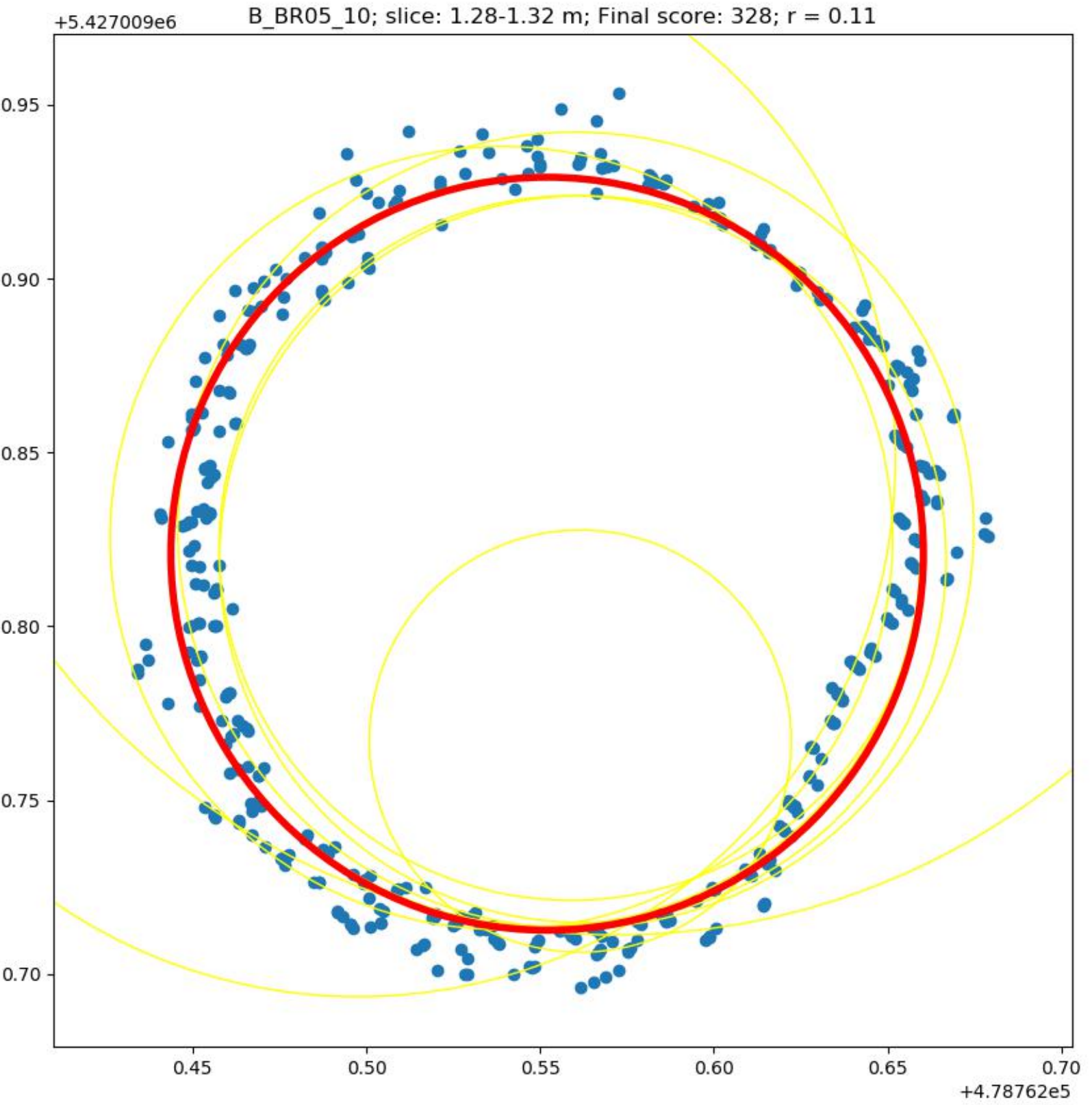


CarBet_BR05_P8T3

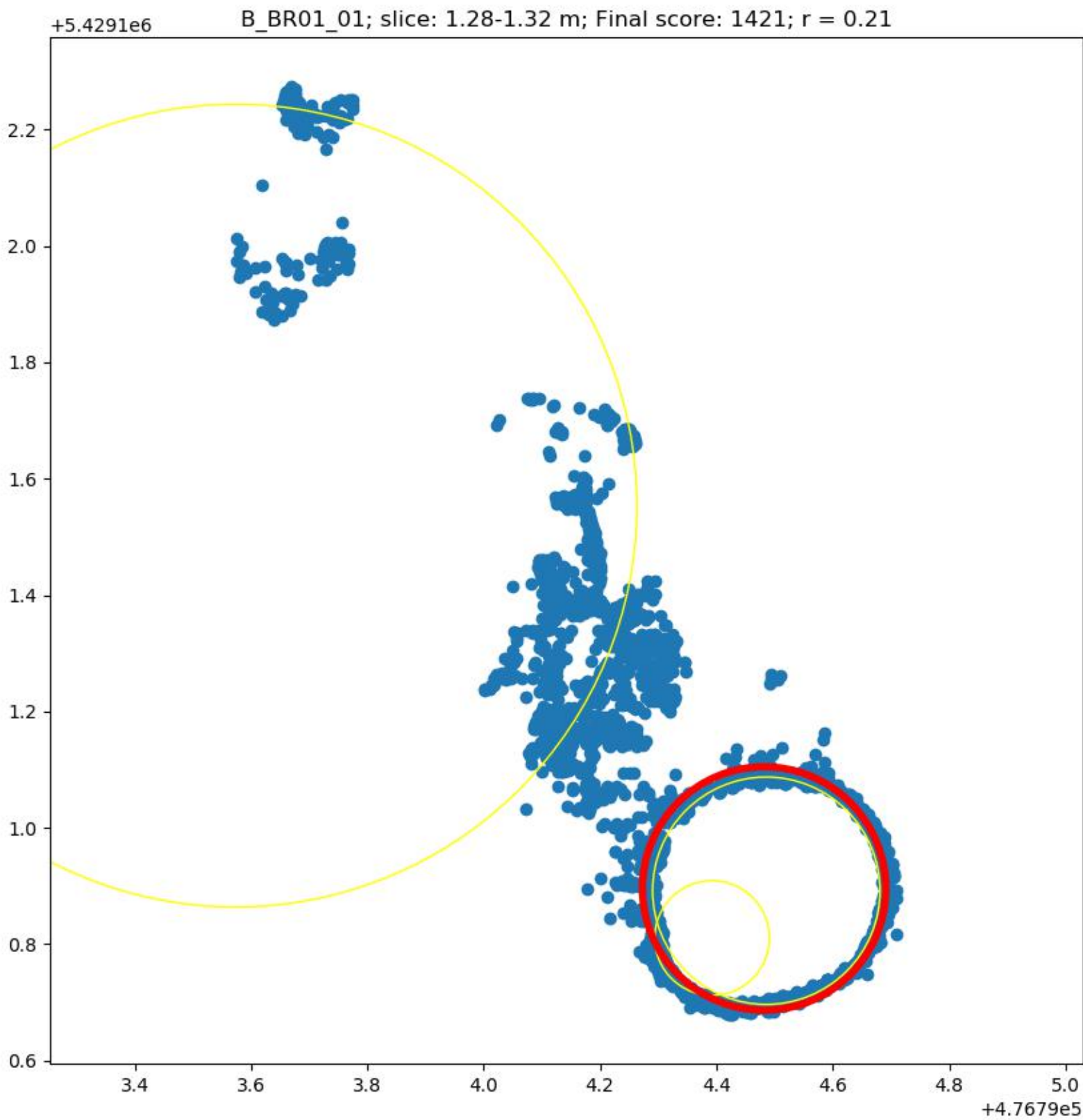
+5.42702e6 B_BR05_07; slice: 1.28-1.32 m; Final score: 303; r = 0.20



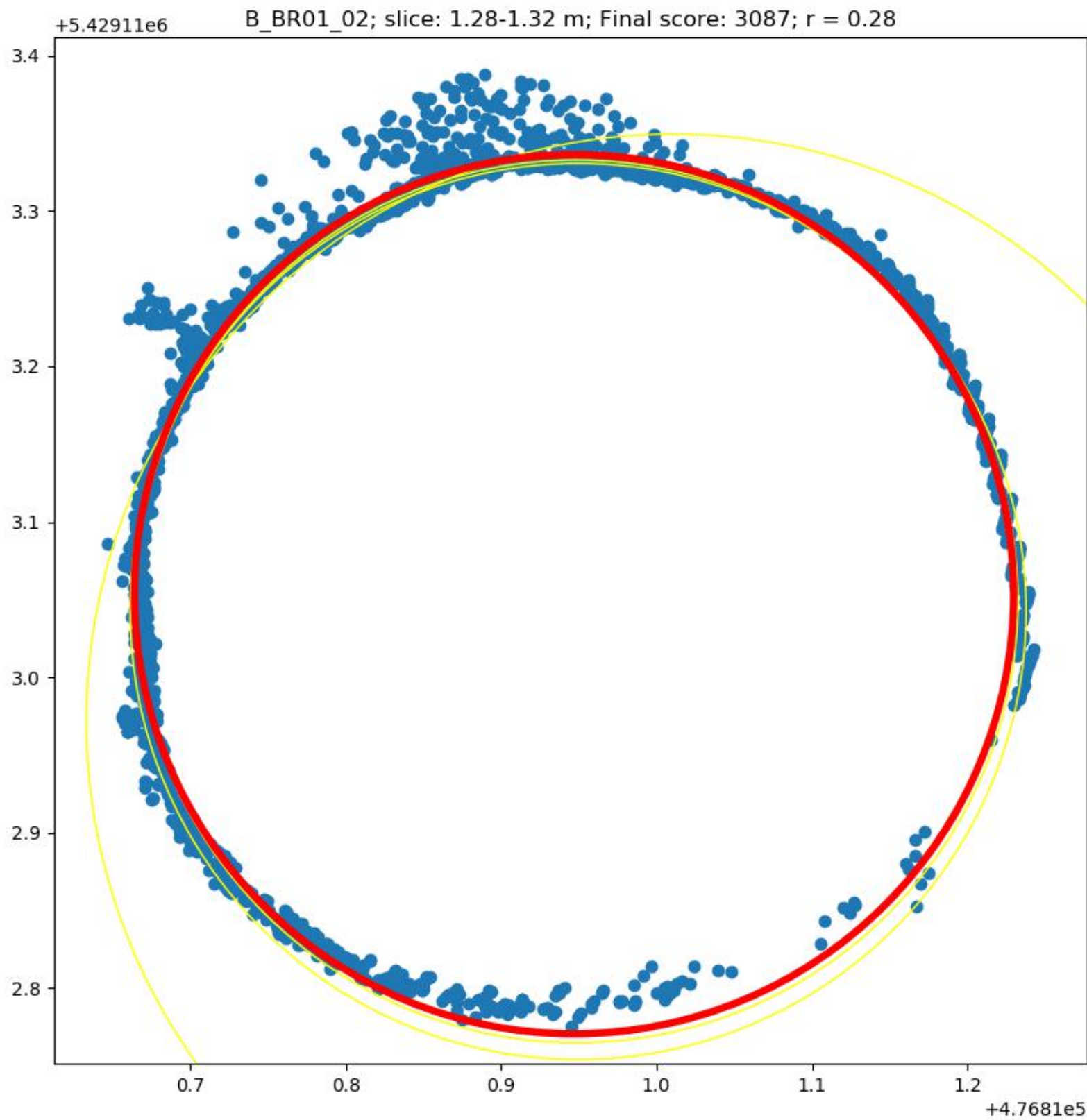
CarBet_BR05_P9T6



FagSyl_BR01_01

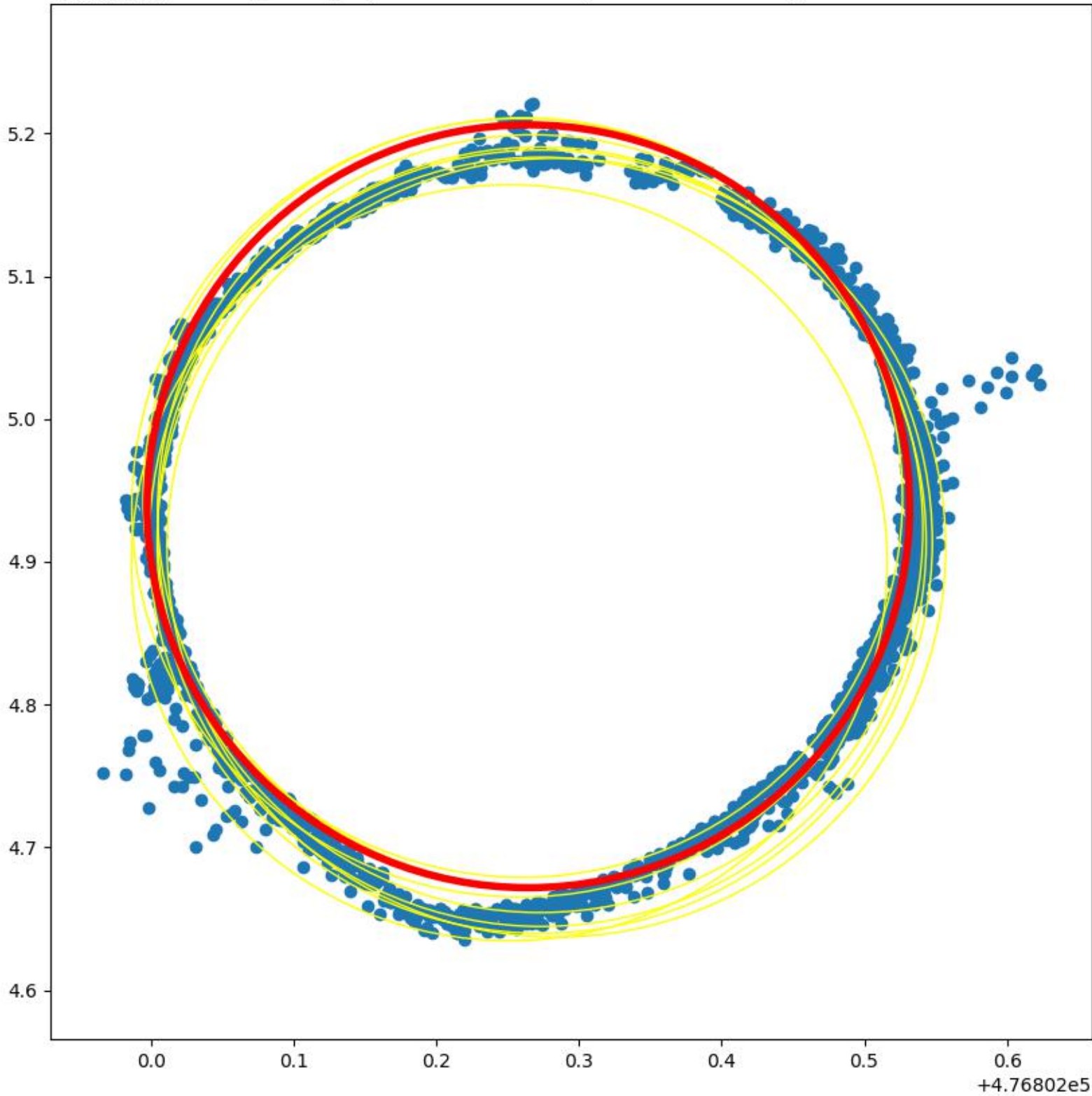


FagSyl_BR01_02

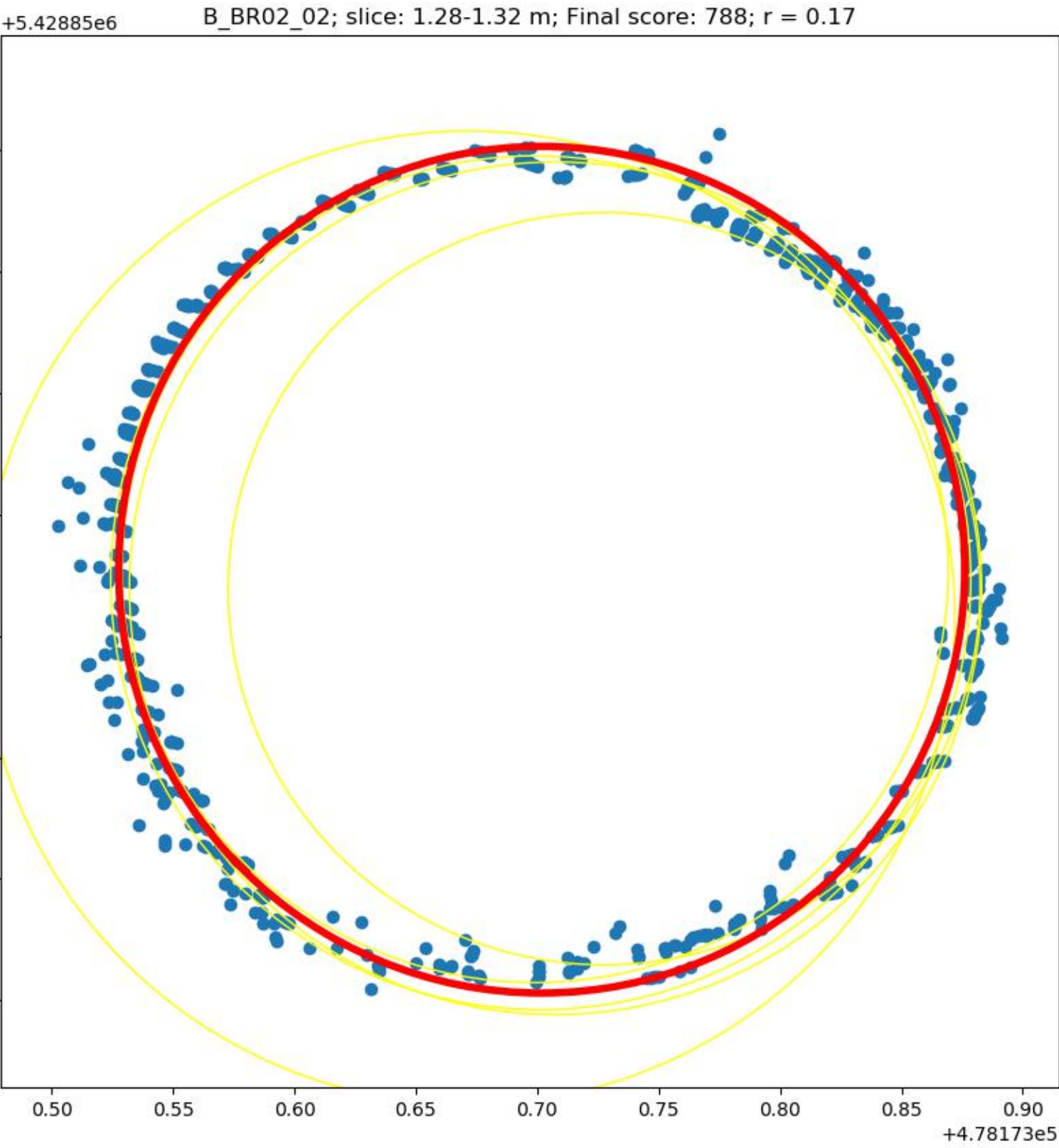


FagSyl_BR01_03

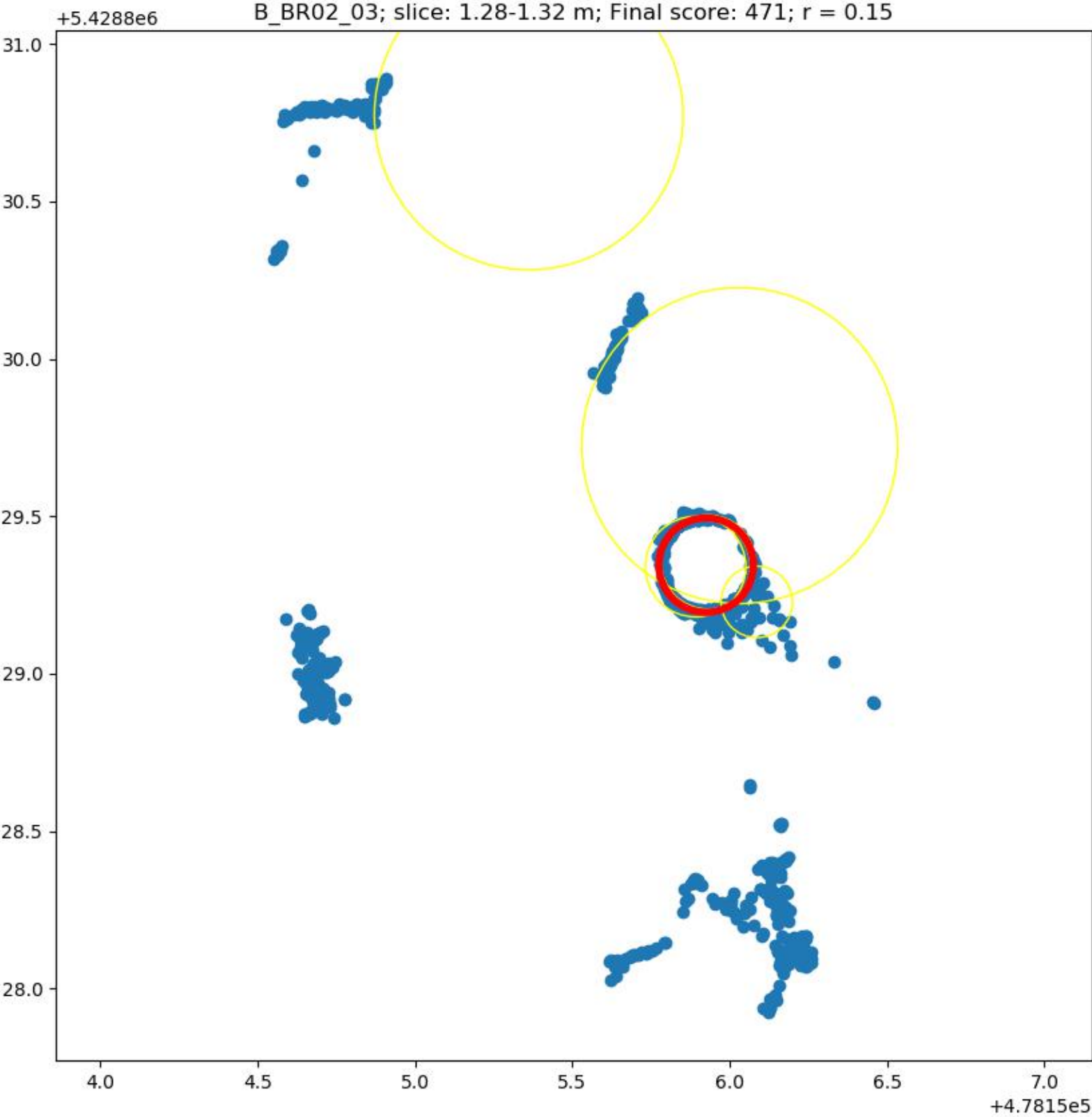
+5.42909e6 B_BR01_03; slice: 1.28-1.32 m; Final score: 2430; r = 0.27



FagSyl_BR02_02

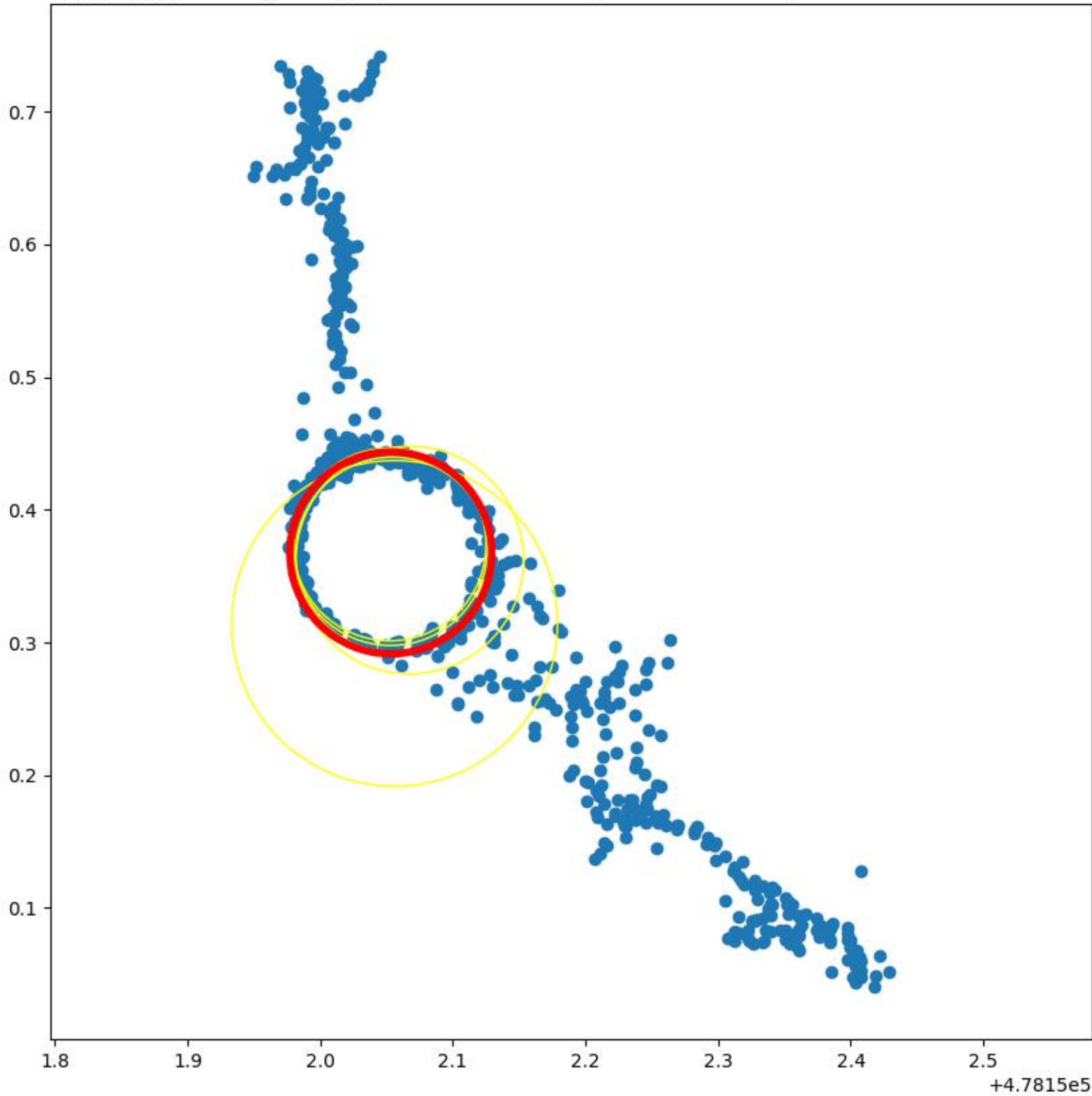


FagSyl_BR02_03

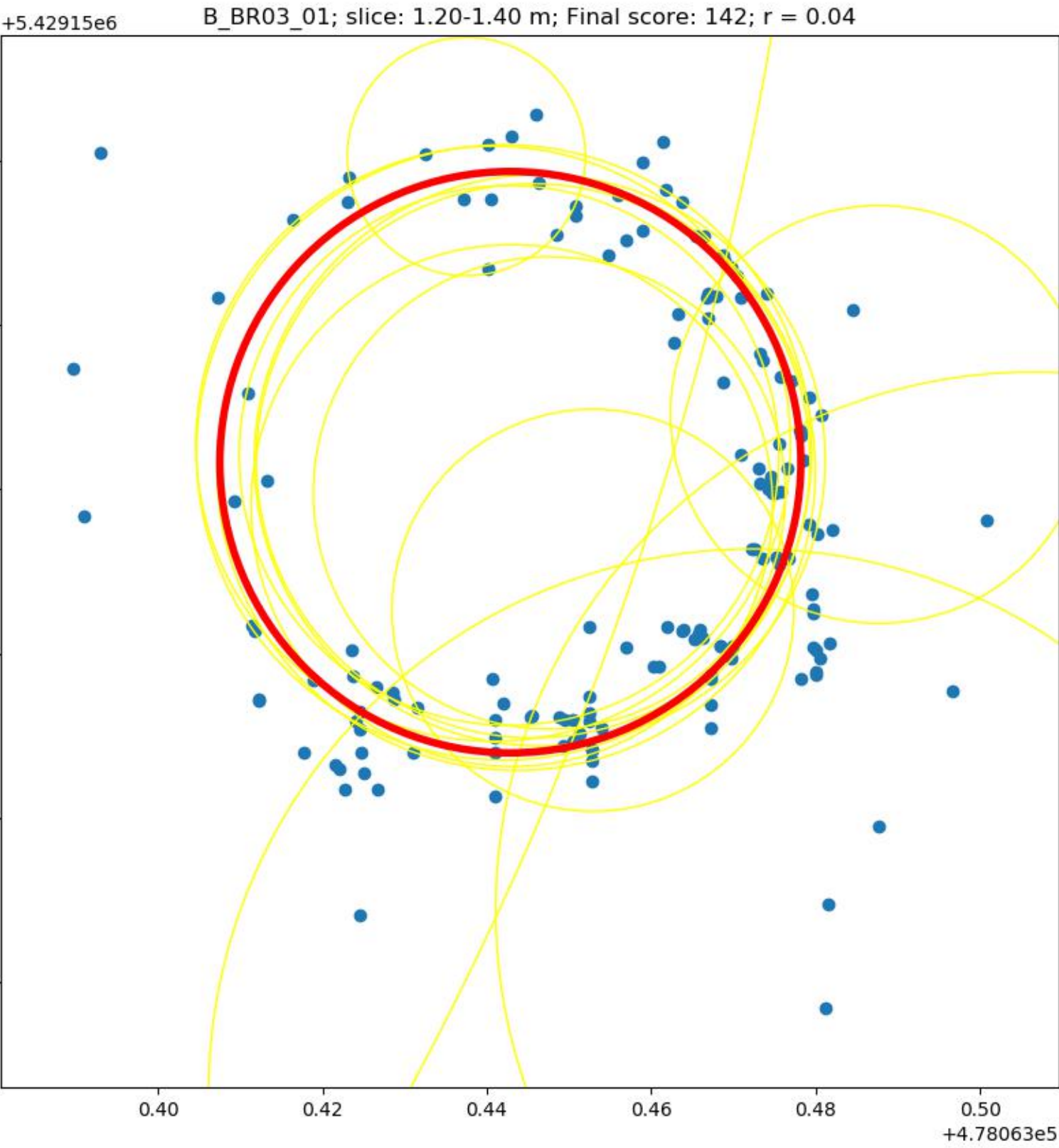


FagSyl_BR02_04

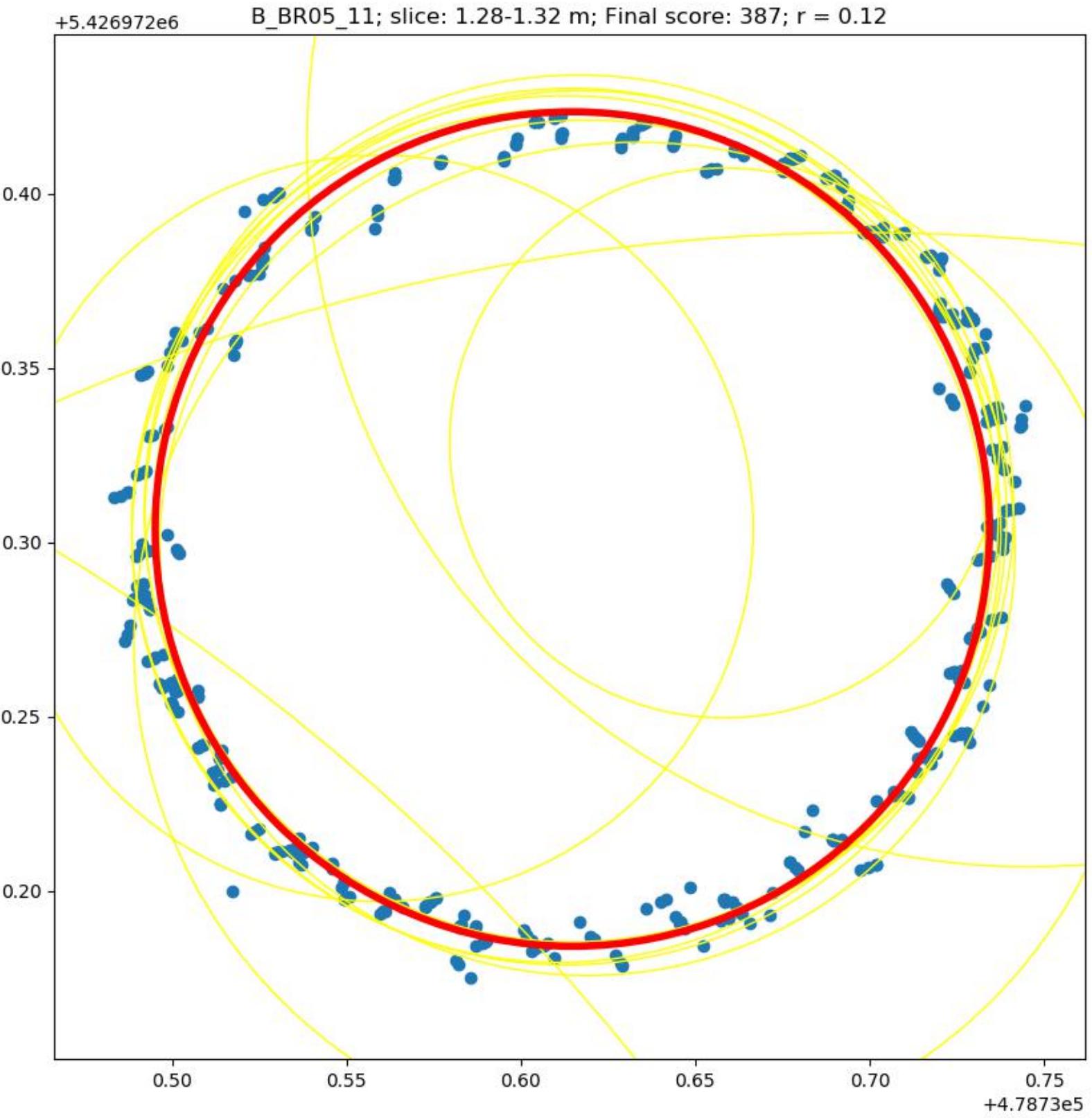
+5.428833e6 B_BR02_04; slice: 1.28-1.32 m; Final score: 463; r = 0.08



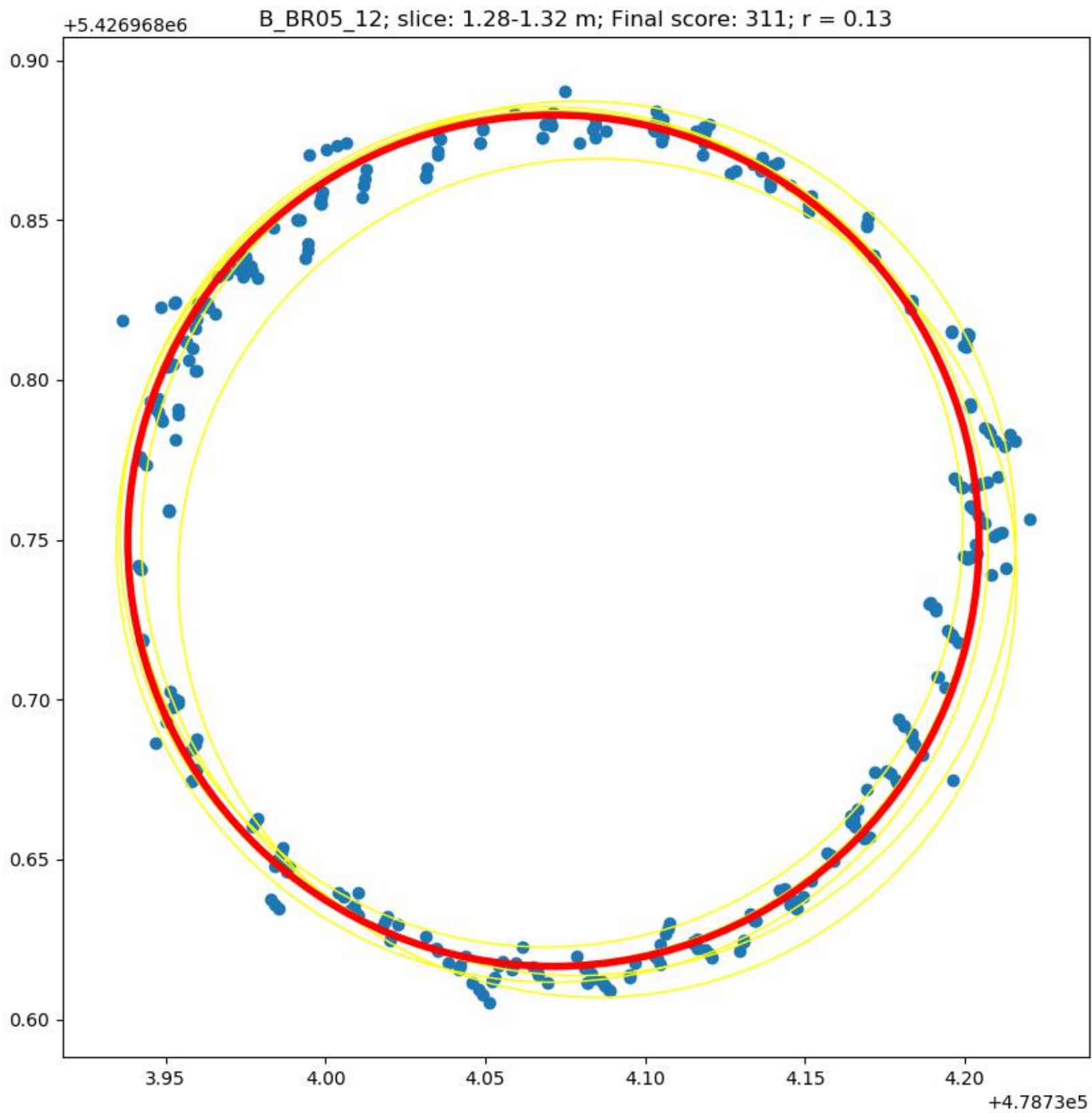
FagSyl_BR03_01



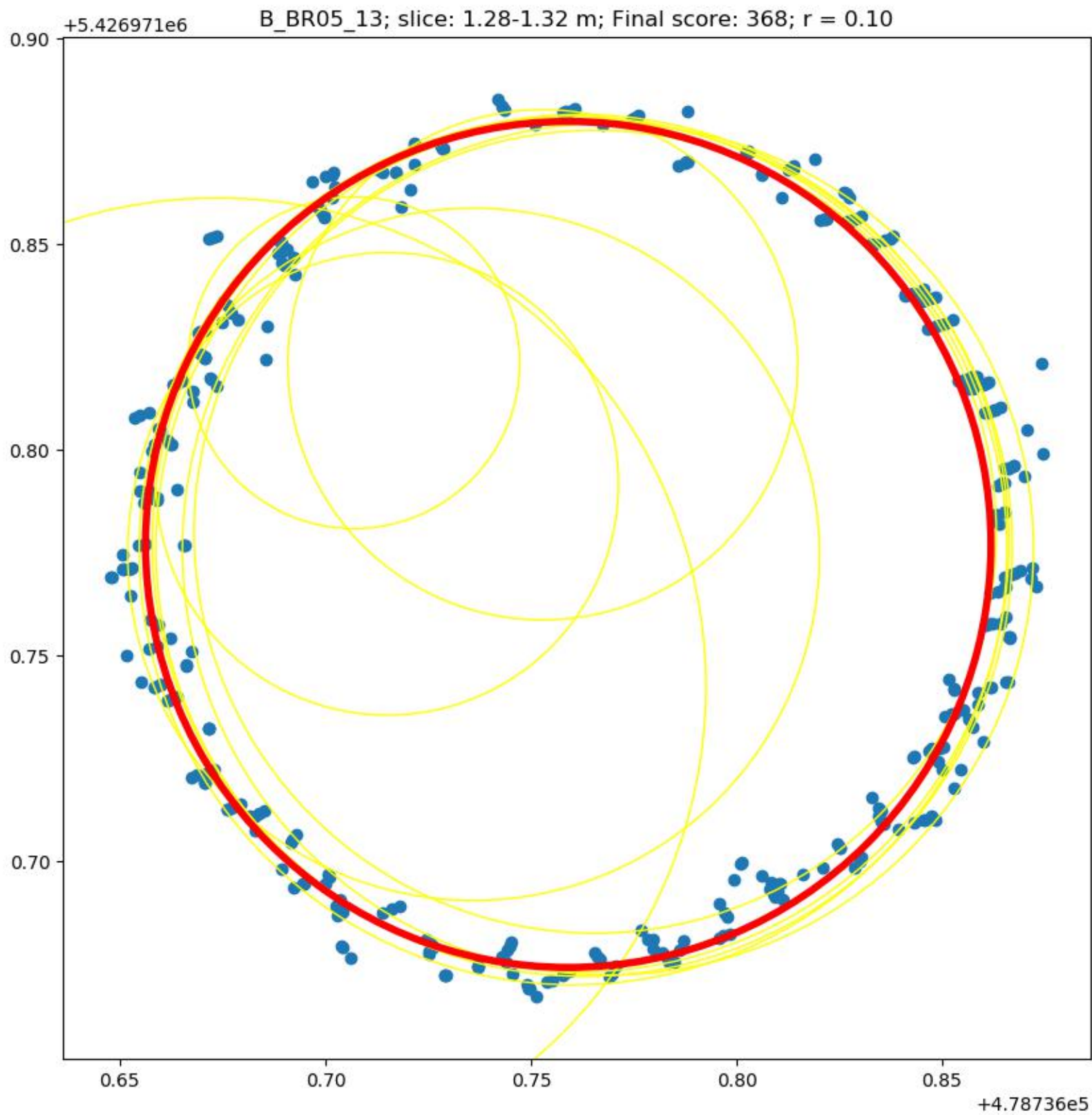
FagSyl_BR05_11



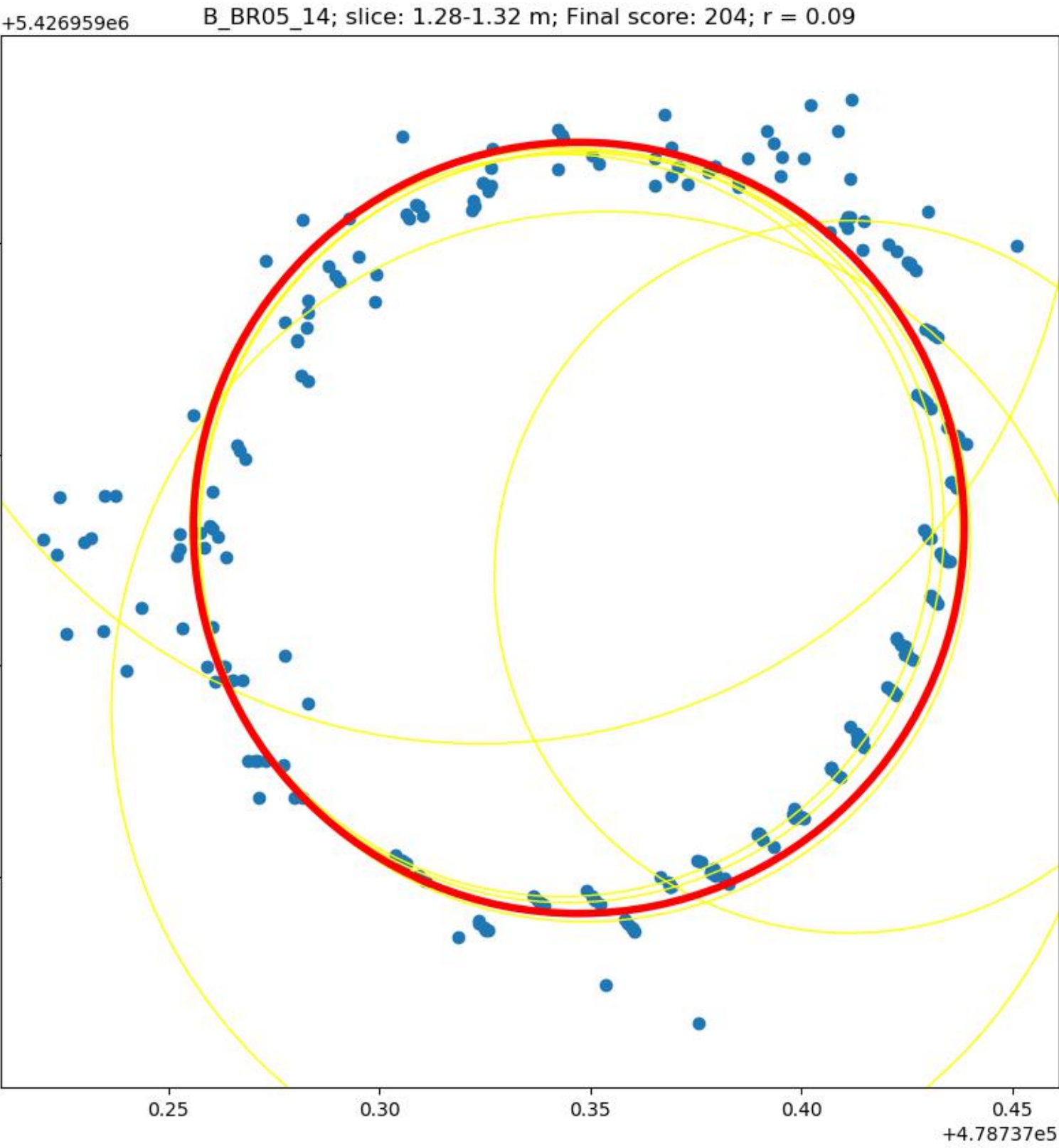
FagSyl_BR05_12



FagSyl_BR05_13



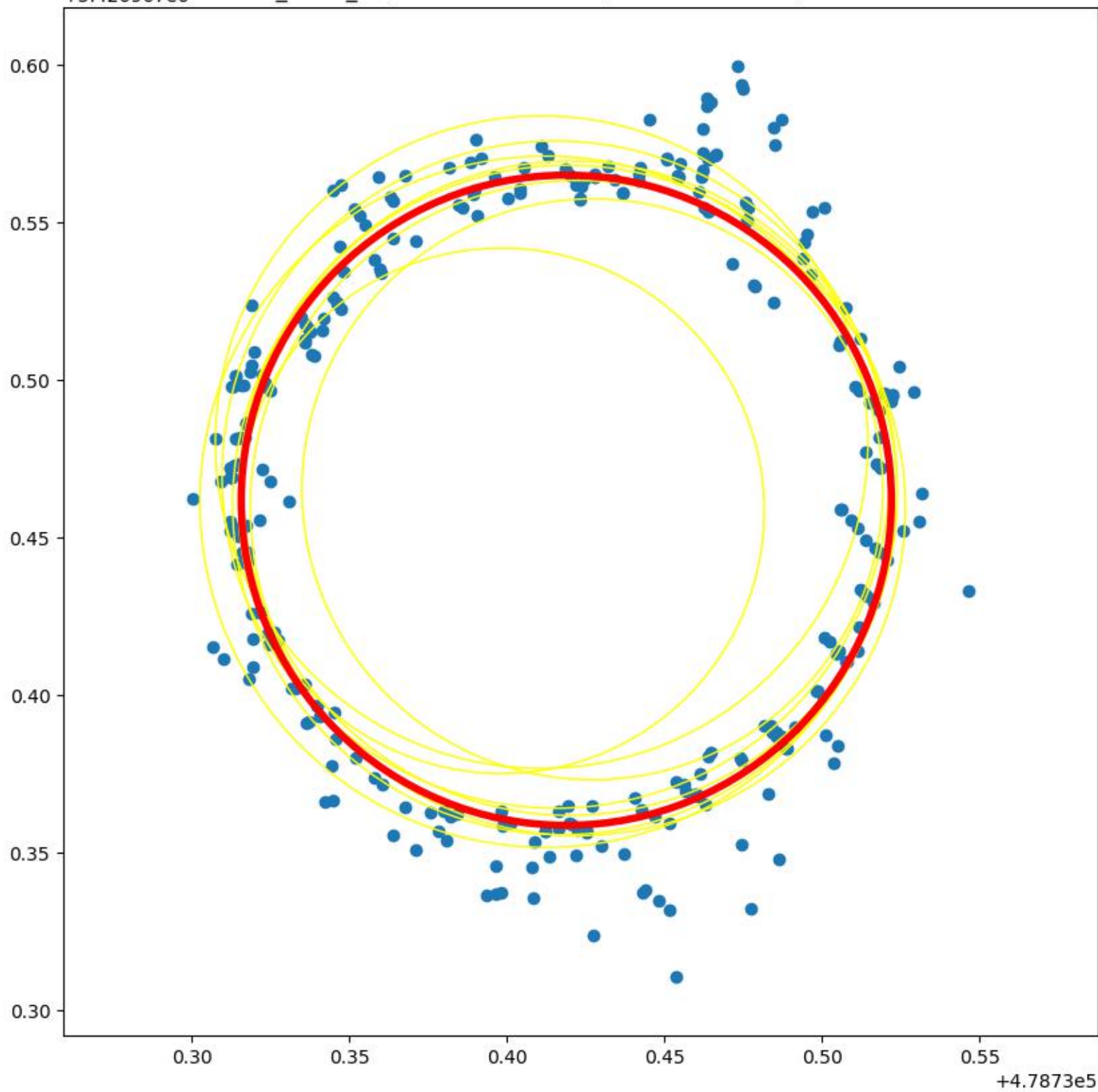
FagSyl_BR05_14



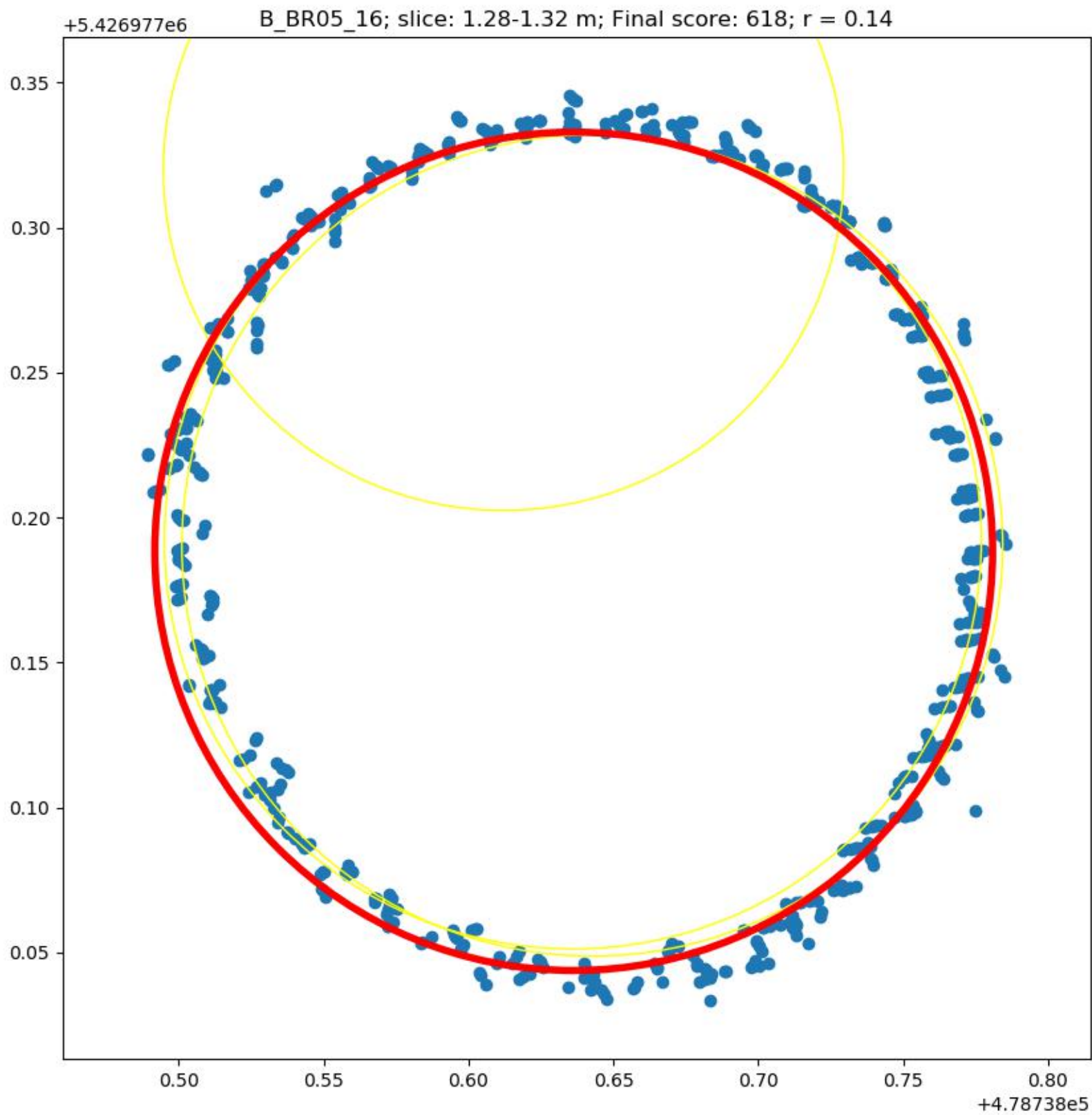
FagSyl_BR05_15

+5.426967e6

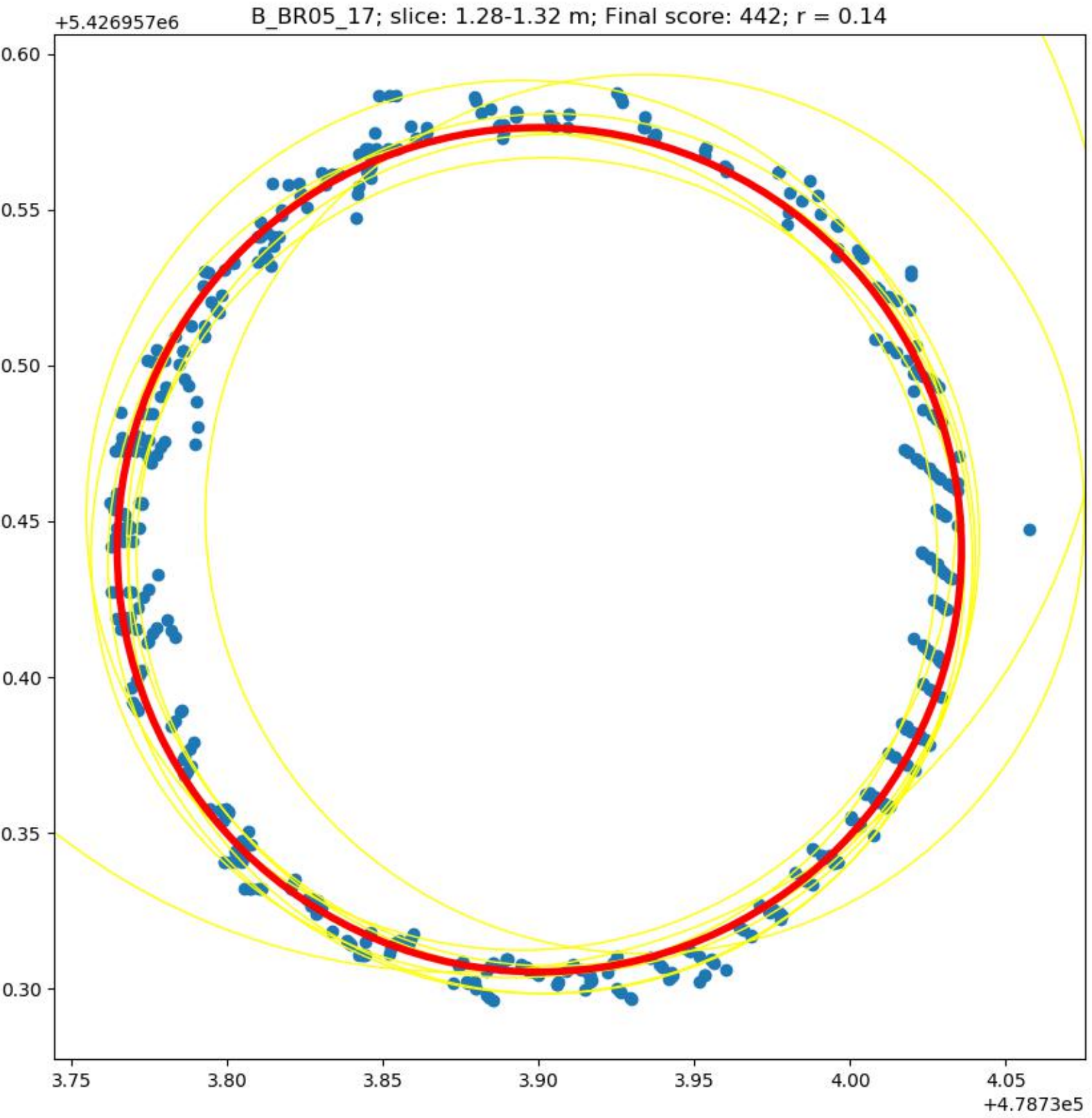
B_BR05_15; slice: 1.28-1.32 m; Final score: 229; $r = 0.10$



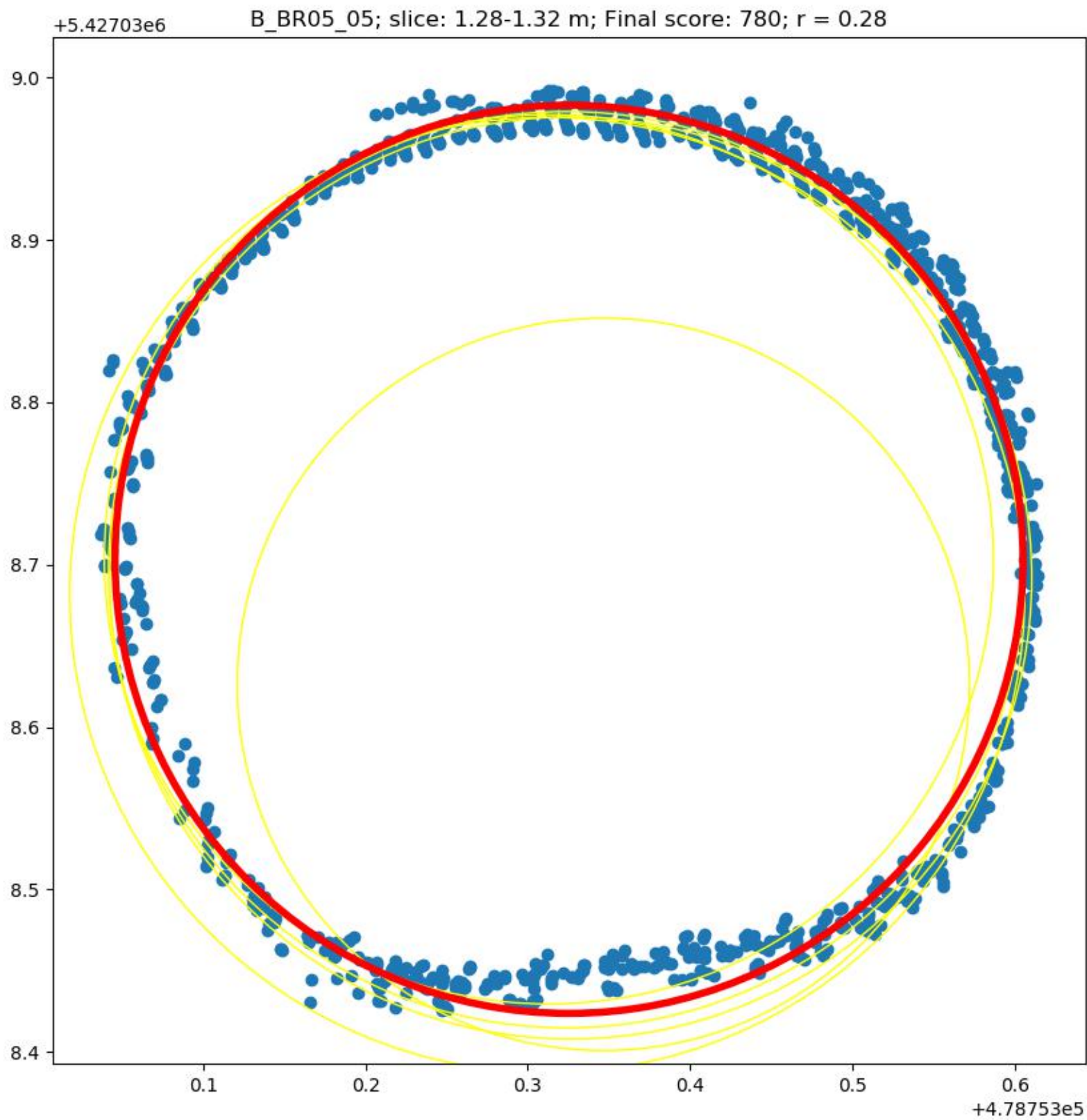
FagSyl_BR05_16



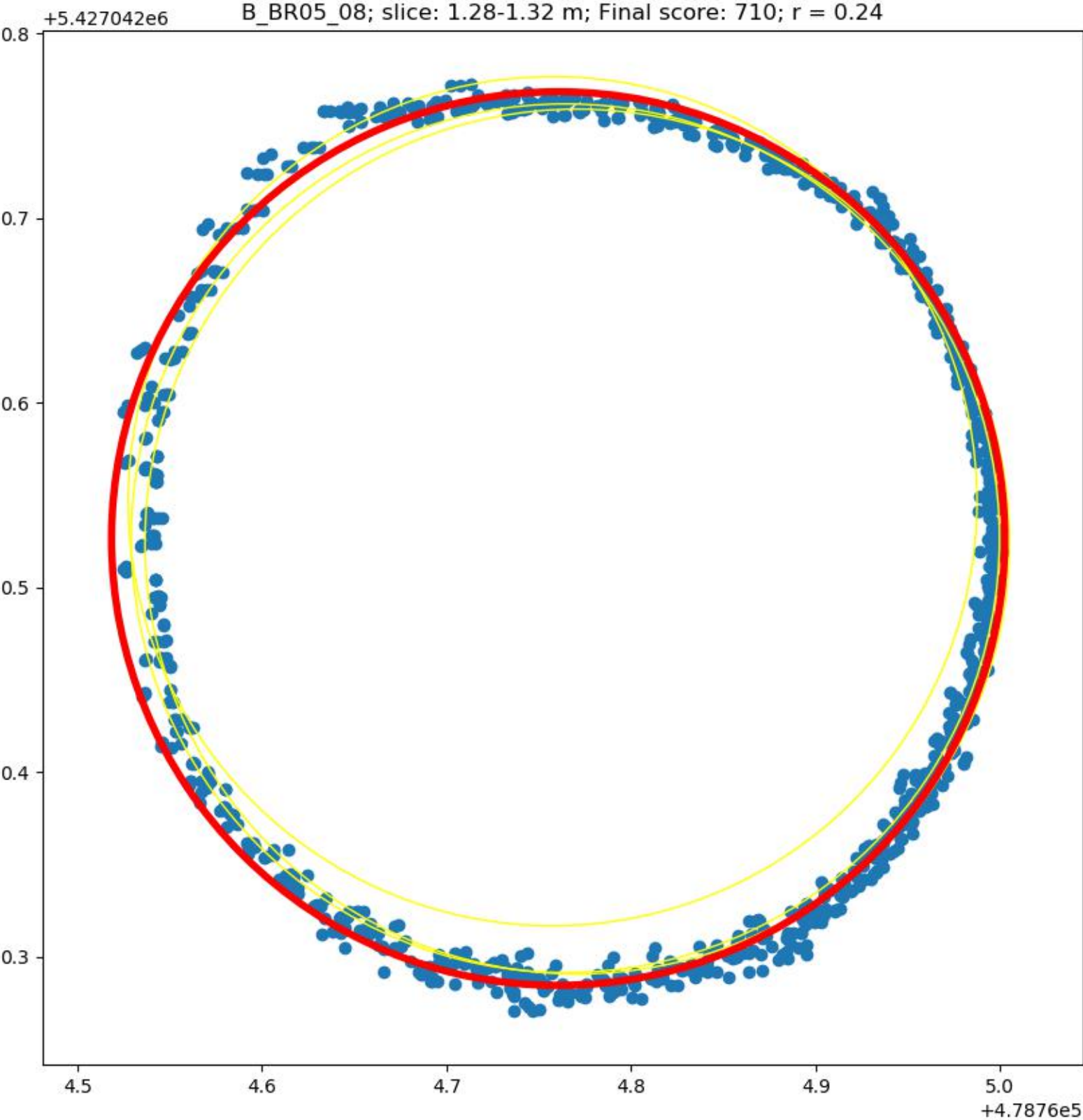
FagSyl_BR05_17



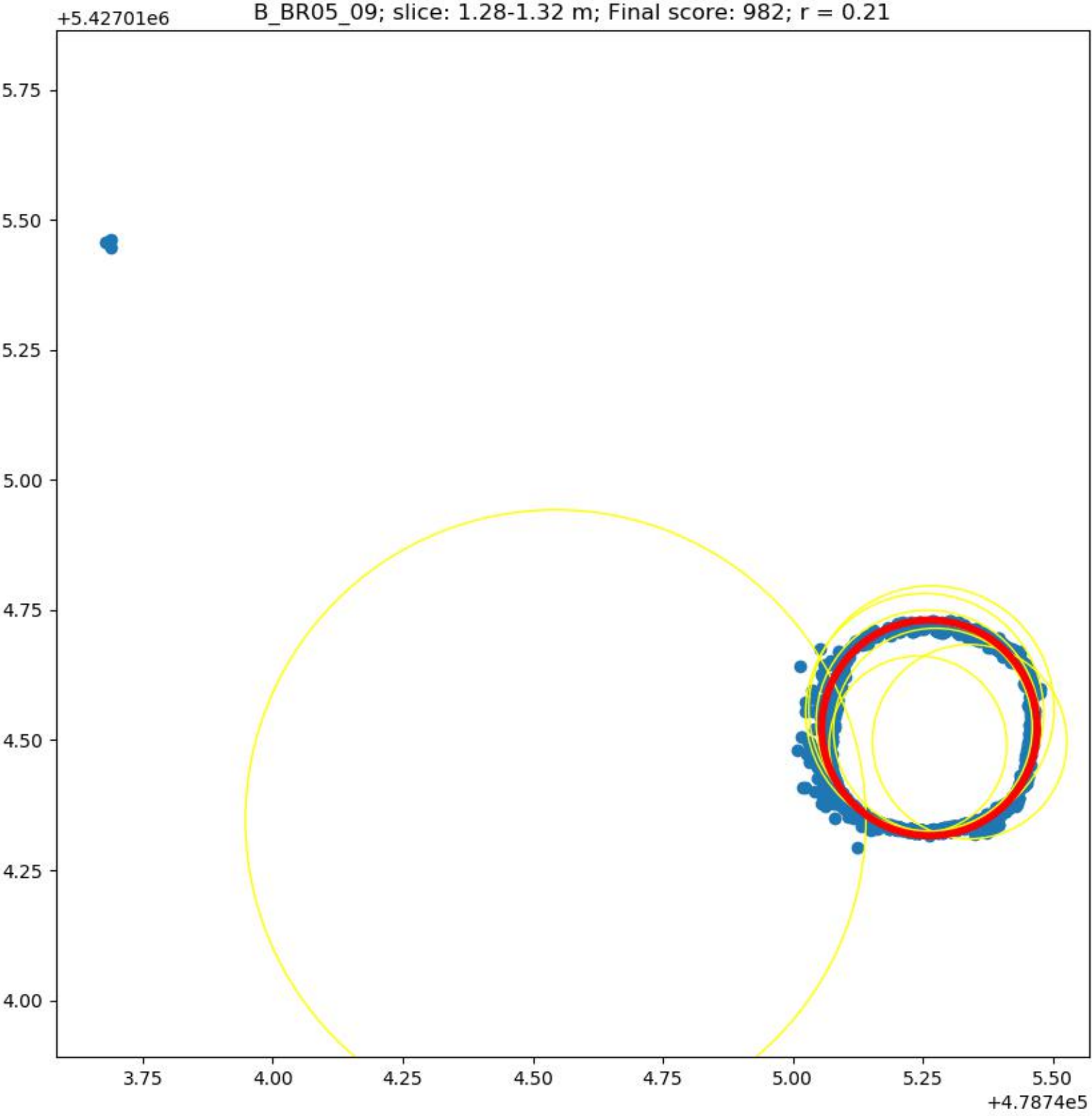
FagSyl_BR05_P13T1



FagSyl_BR05_P13T2

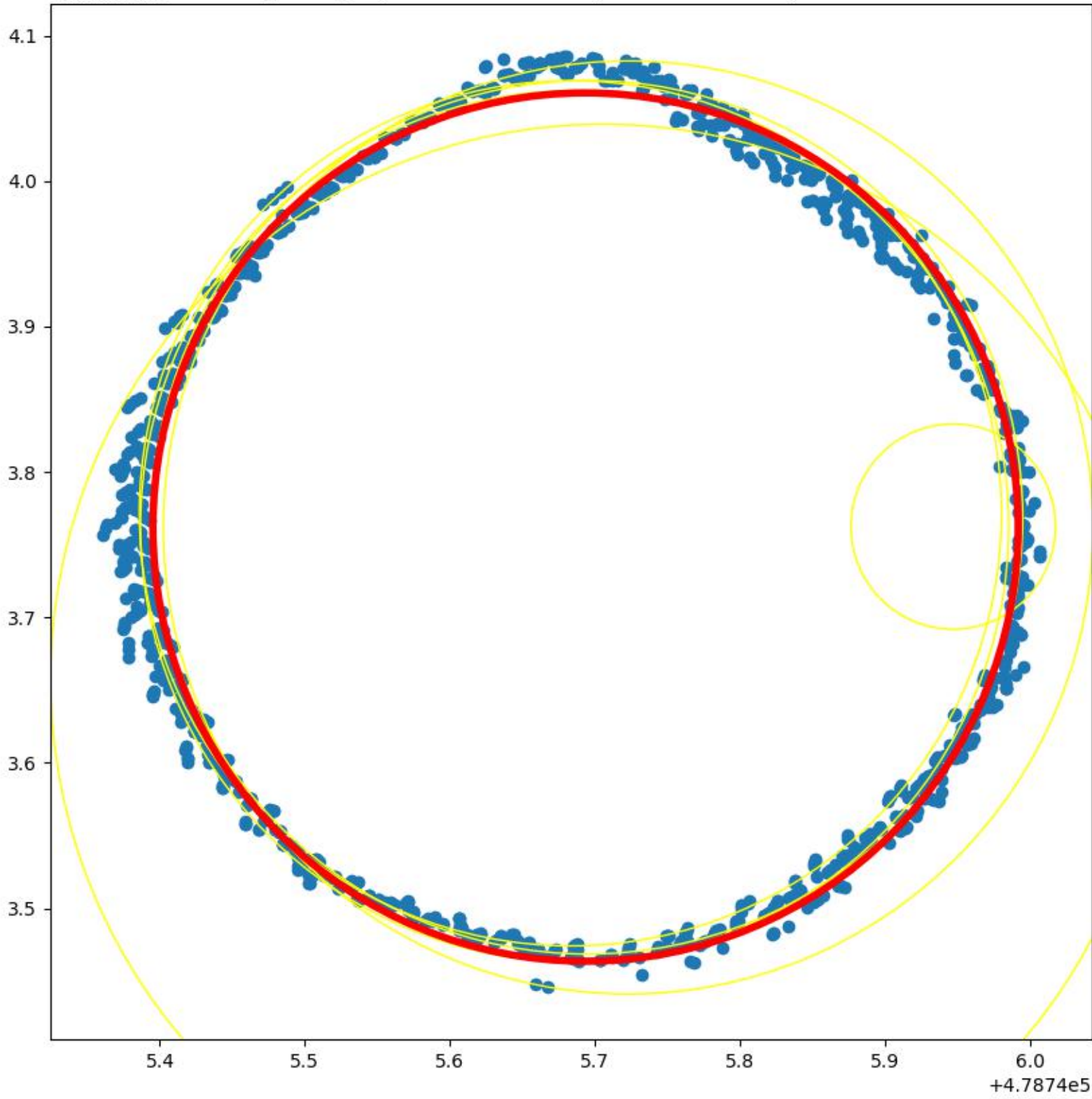


FagSyl_BR05_P3T5



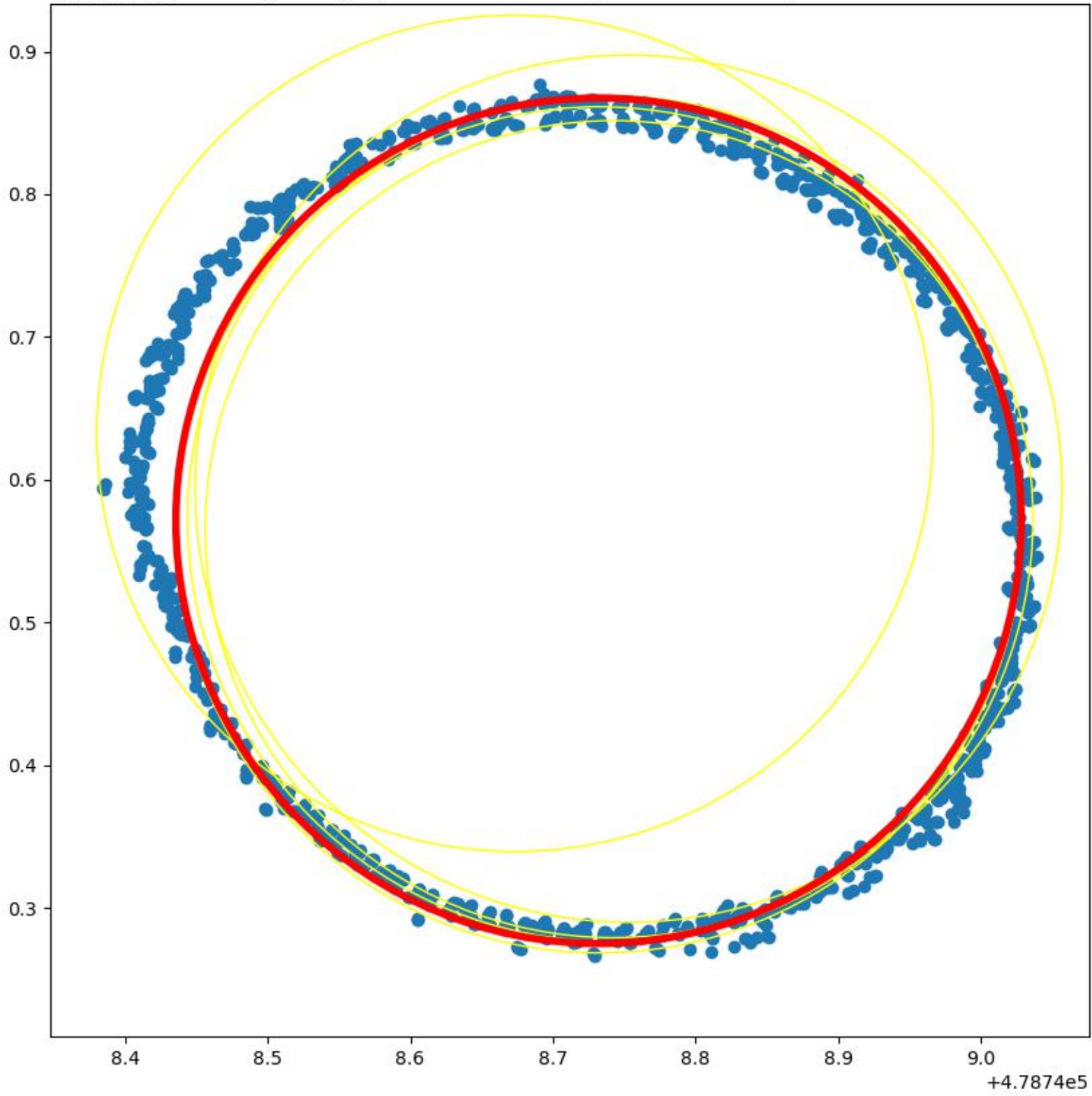
FagSyl_BR05_P7T2

+5.42703e6 B_BR05_03; slice: 1.28-1.32 m; Final score: 829; r = 0.30



FagSyl_BR05_P8T1

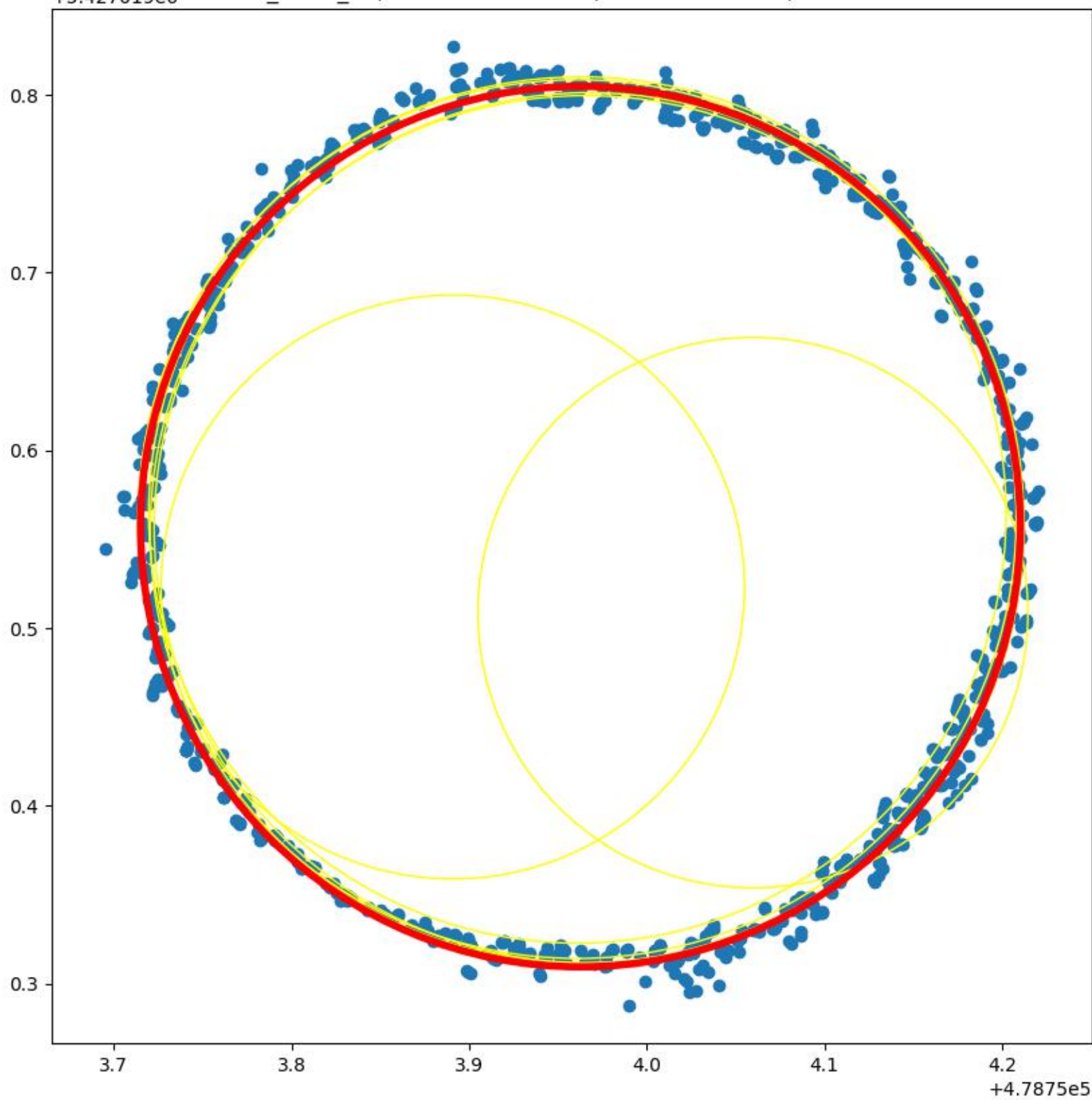
+5.427021e6 B_BR05_04; slice: 1.28-1.32 m; Final score: 717; r = 0.30



FagSyl_BR05_P9T8

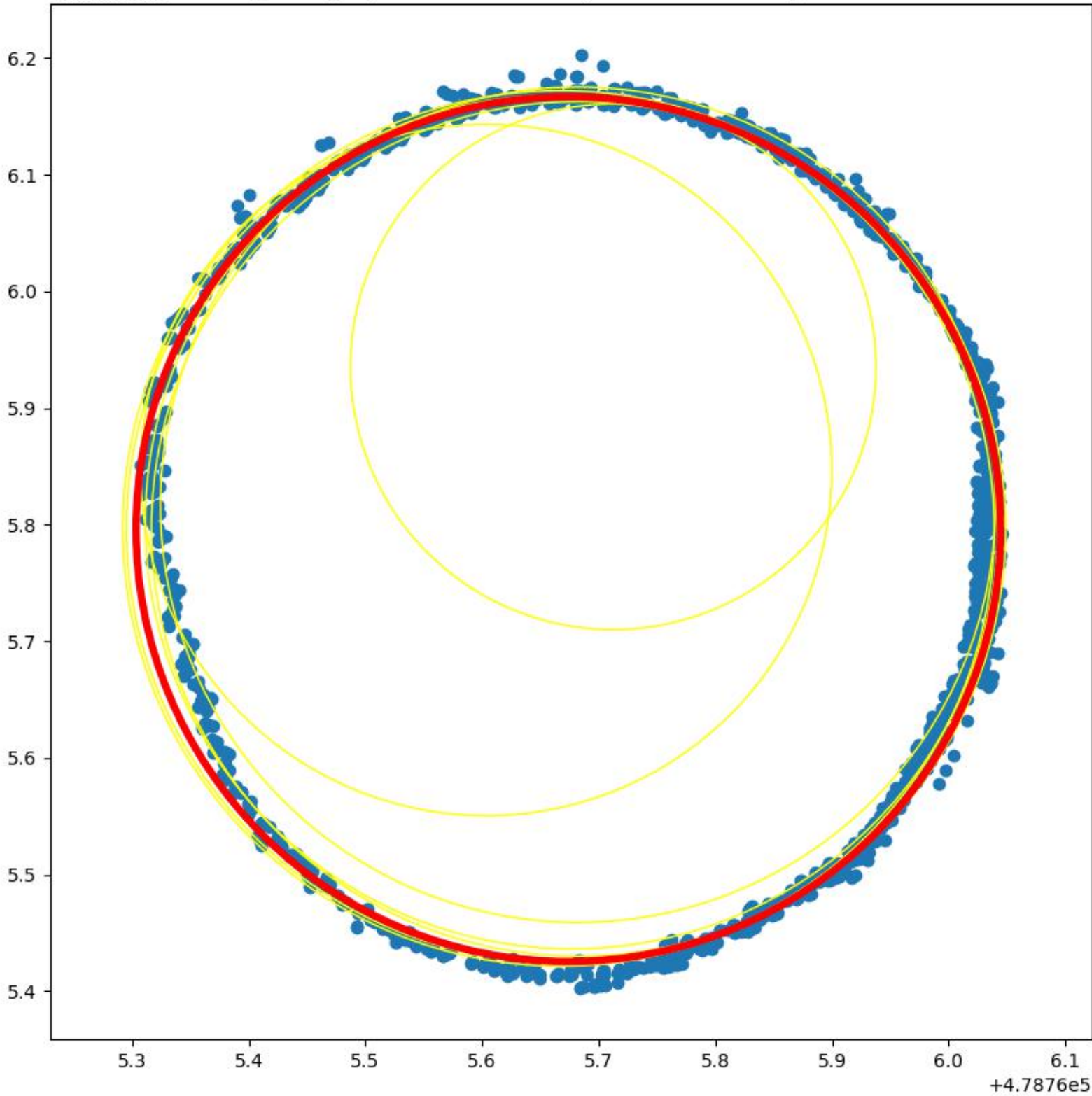
+5.427019e6

B_BR05_06; slice: 1.28-1.32 m; Final score: 862; $r = 0.25$



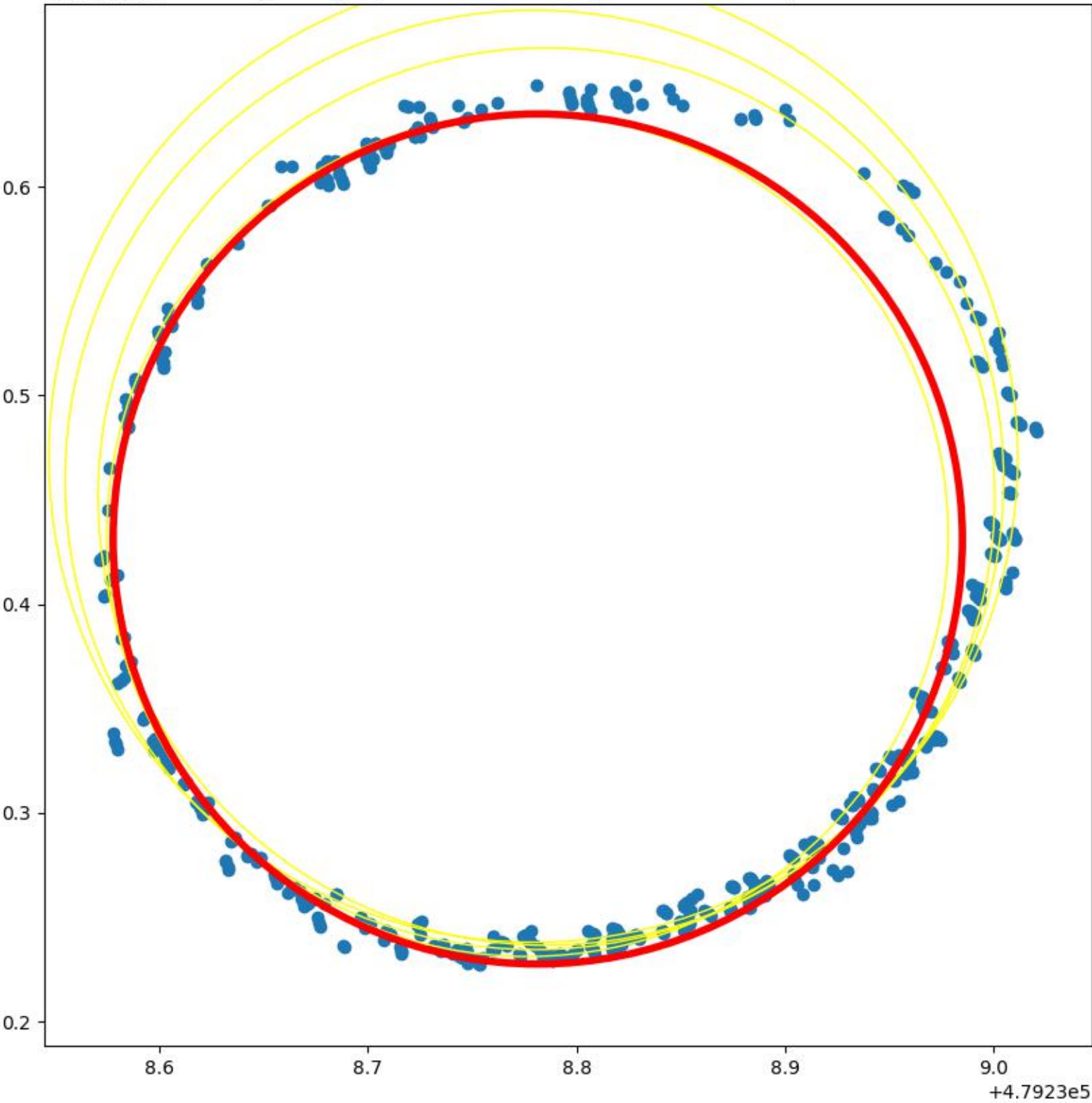
FagSyl_BR05_P9T9

+5.42702e6 B_BR05_02; slice: 1.28-1.32 m; Final score: 1036; r = 0.37

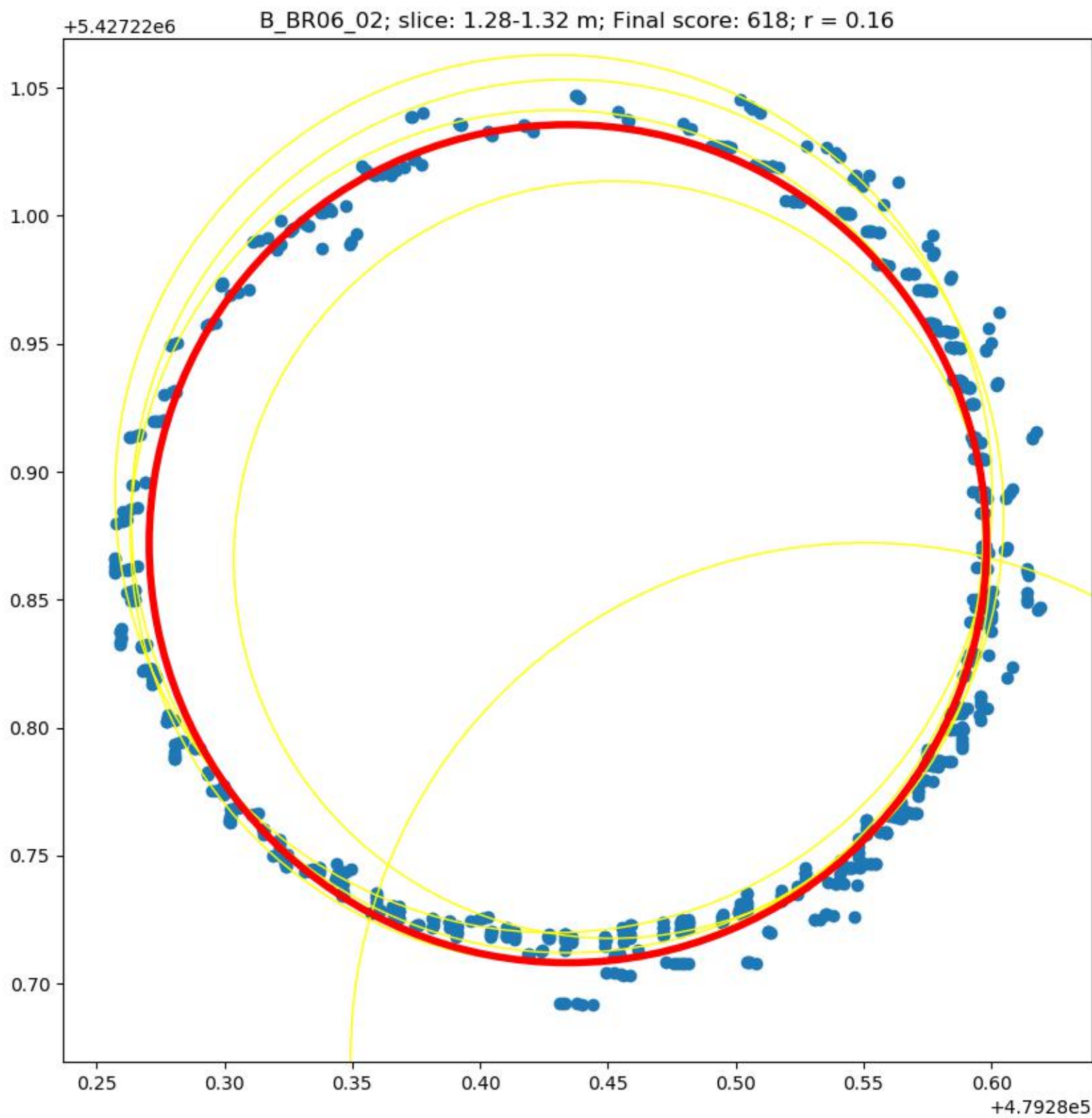


FagSyl_BR06_01

+5.42725e6 B_BR06_01; slice: 1.28-1.32 m; Final score: 409; r = 0.20

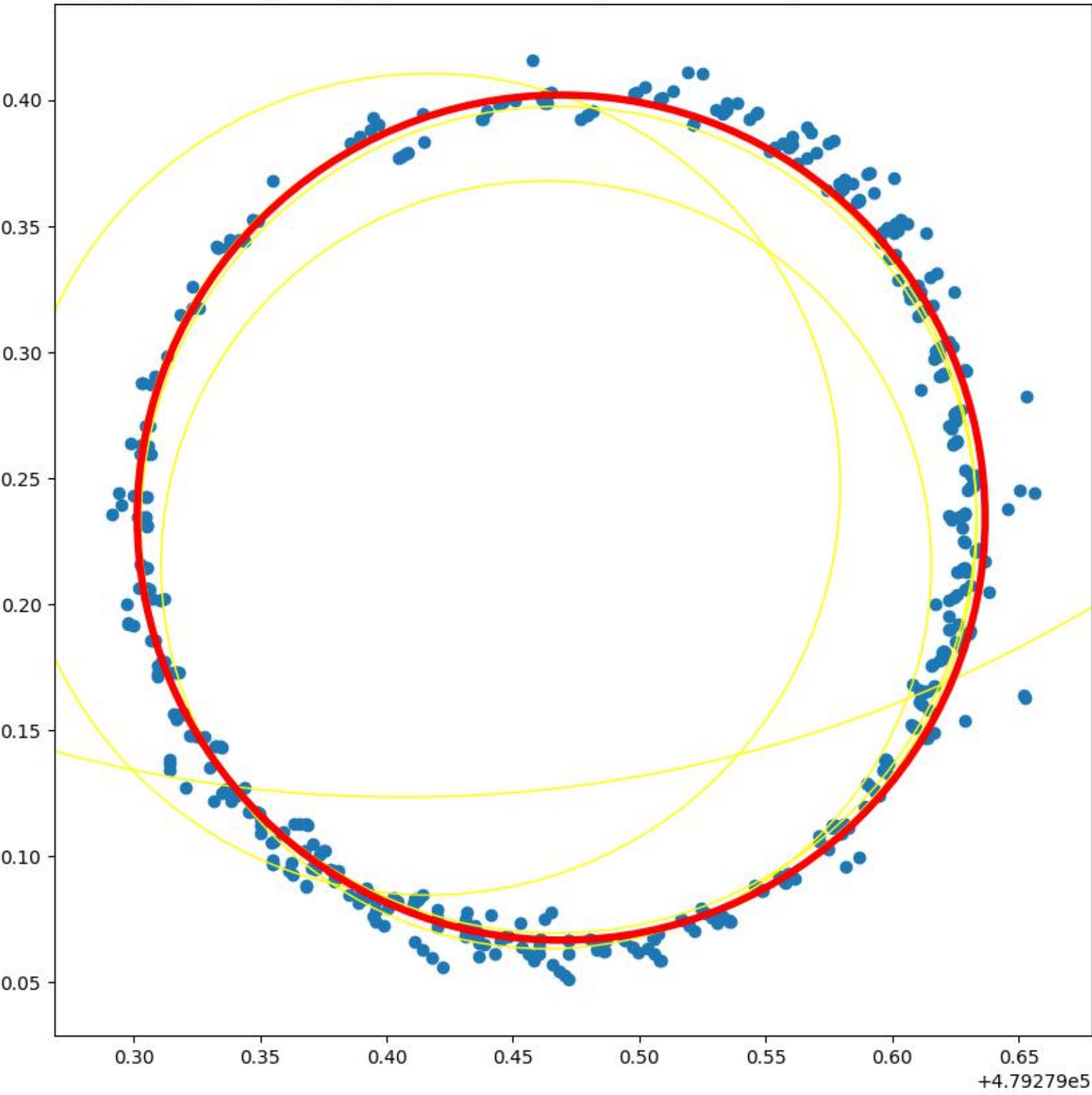


FagSyl_BR06_02



FagSyl_BR06_03

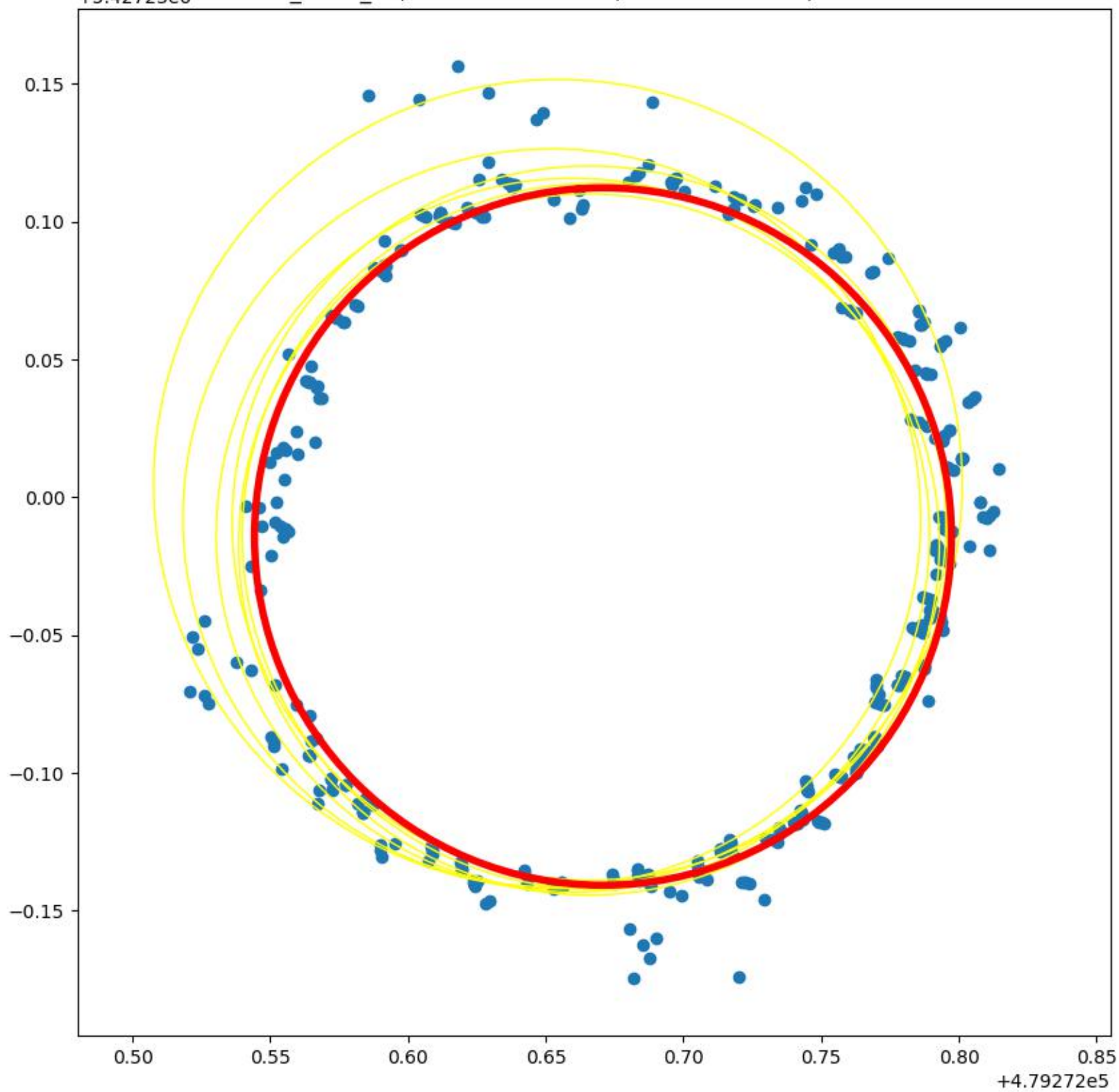
+5.427241e6 B_BR06_03; slice: 1.28-1.32 m; Final score: 459; $r = 0.17$



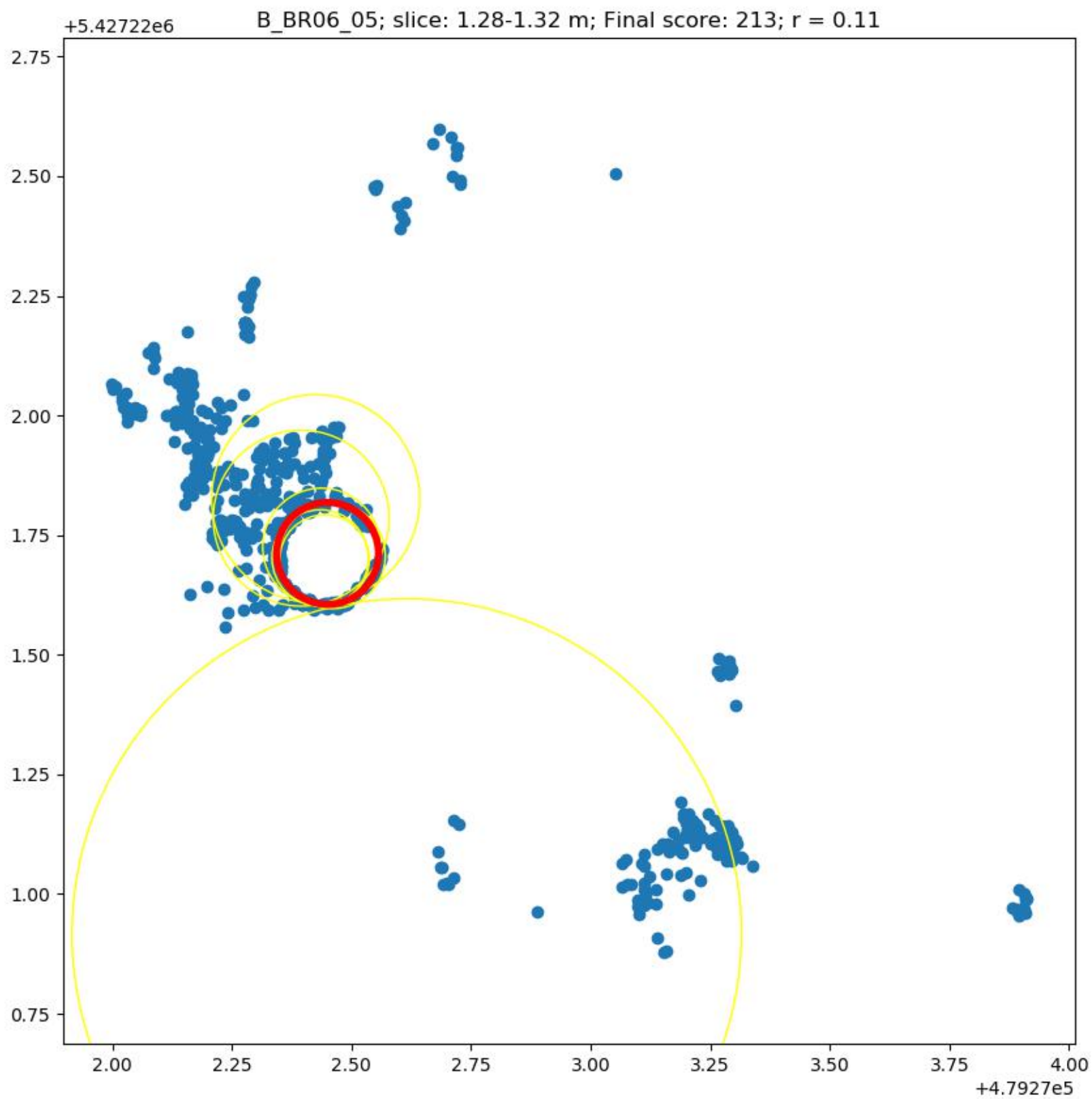
FagSyl_BR06_04

+5.42723e6

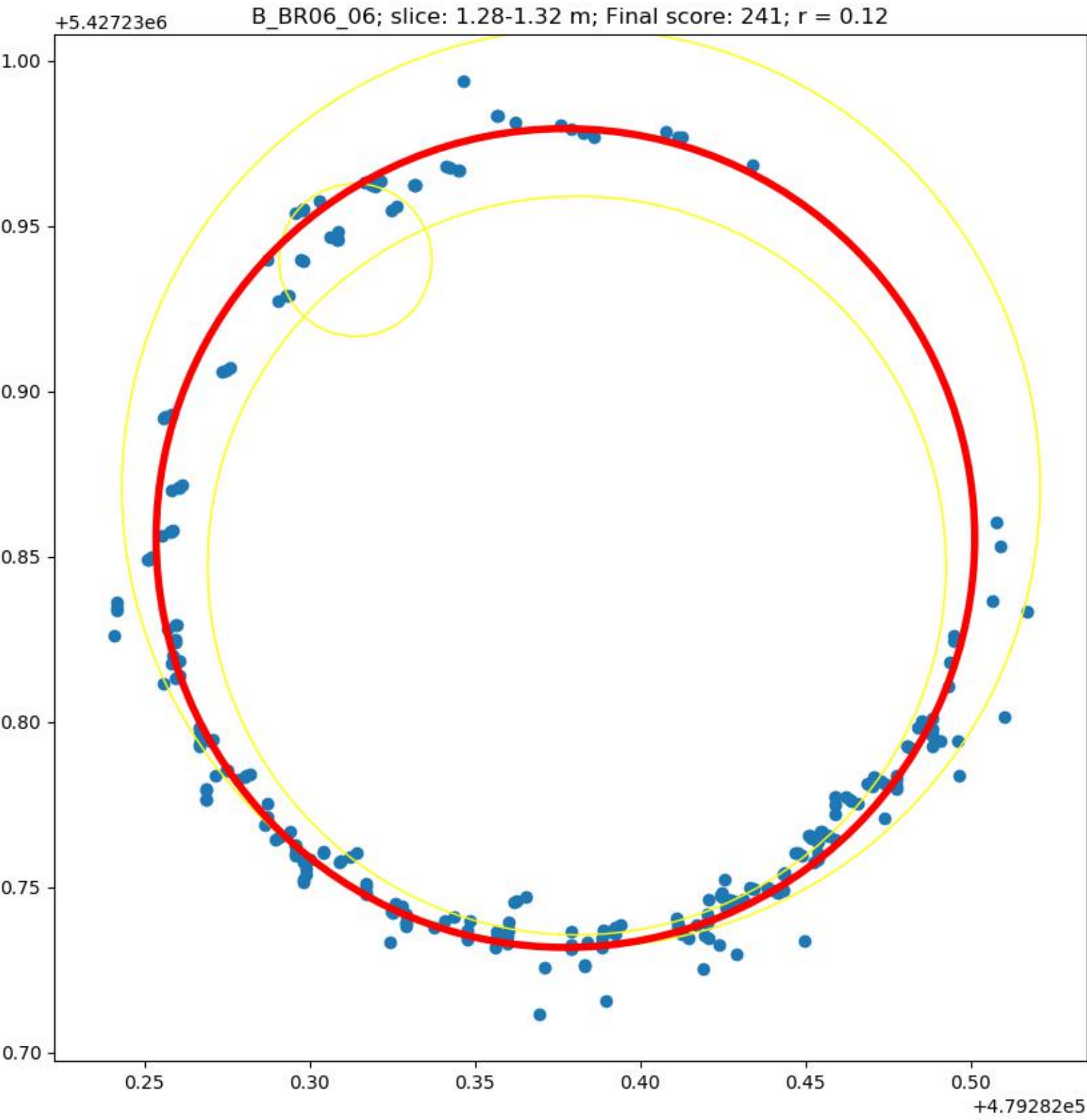
B_BR06_04; slice: 1.28-1.32 m; Final score: 290; $r = 0.13$



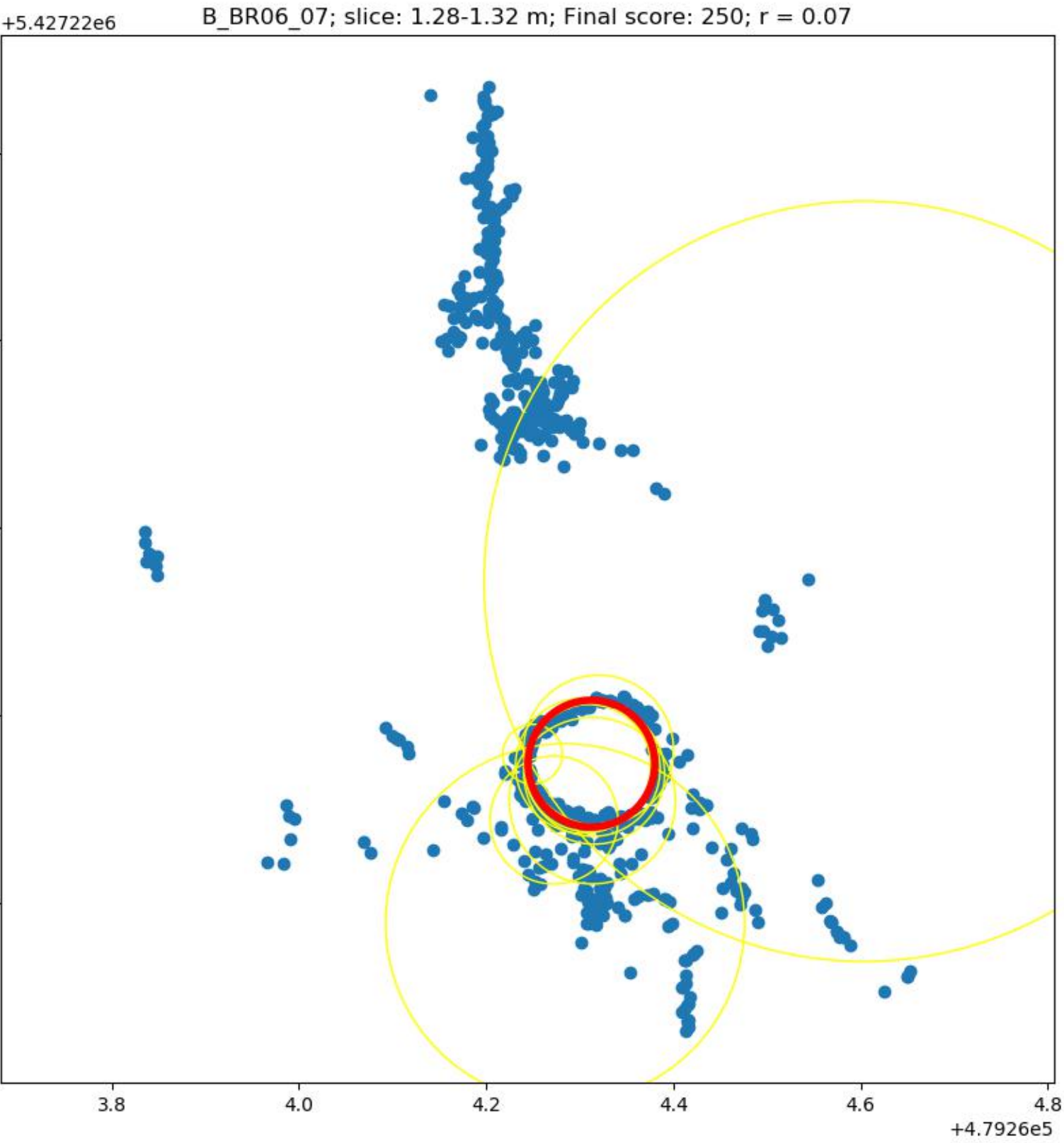
FagSyl_BR06_05



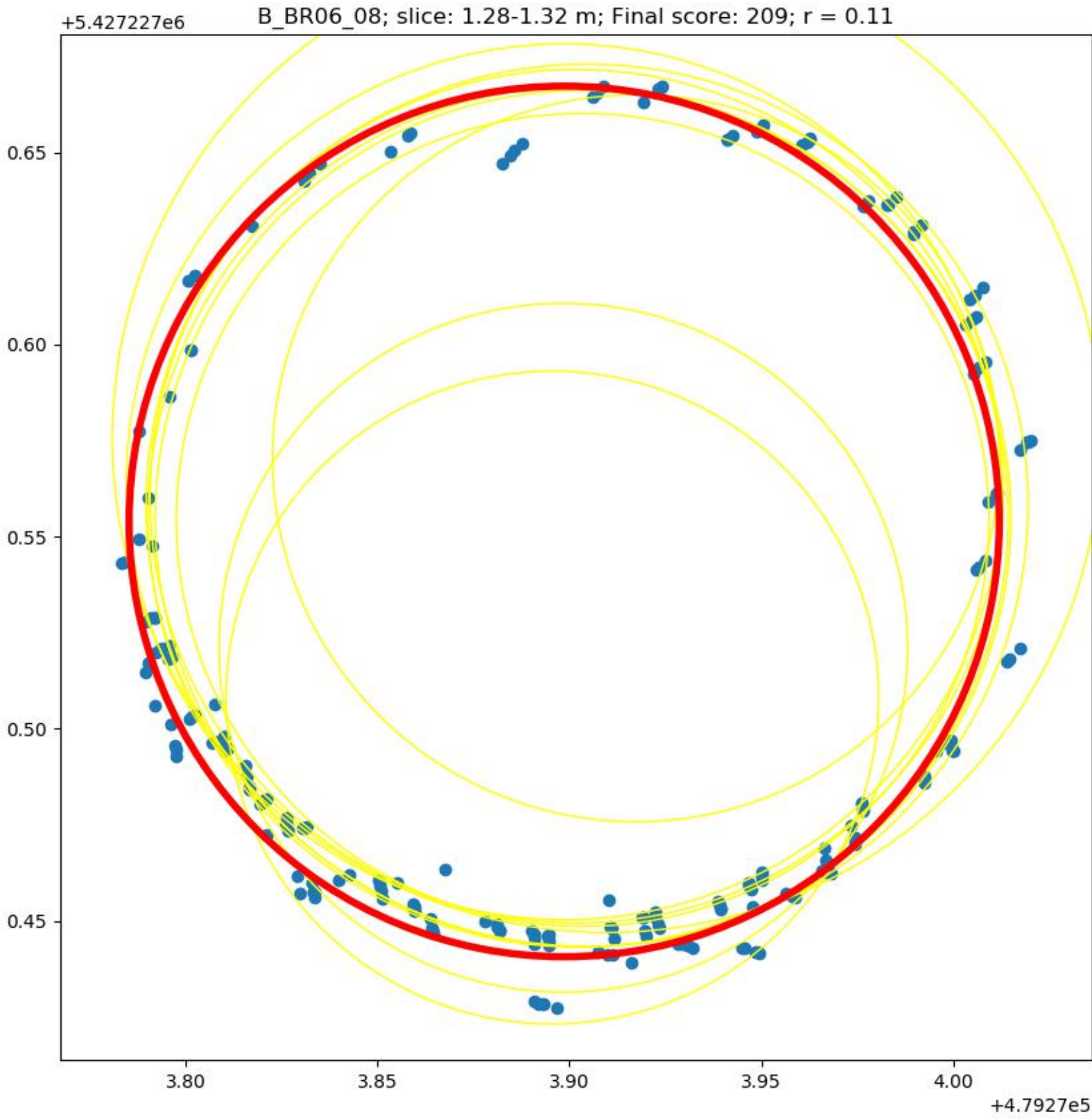
FagSyl_BR06_06



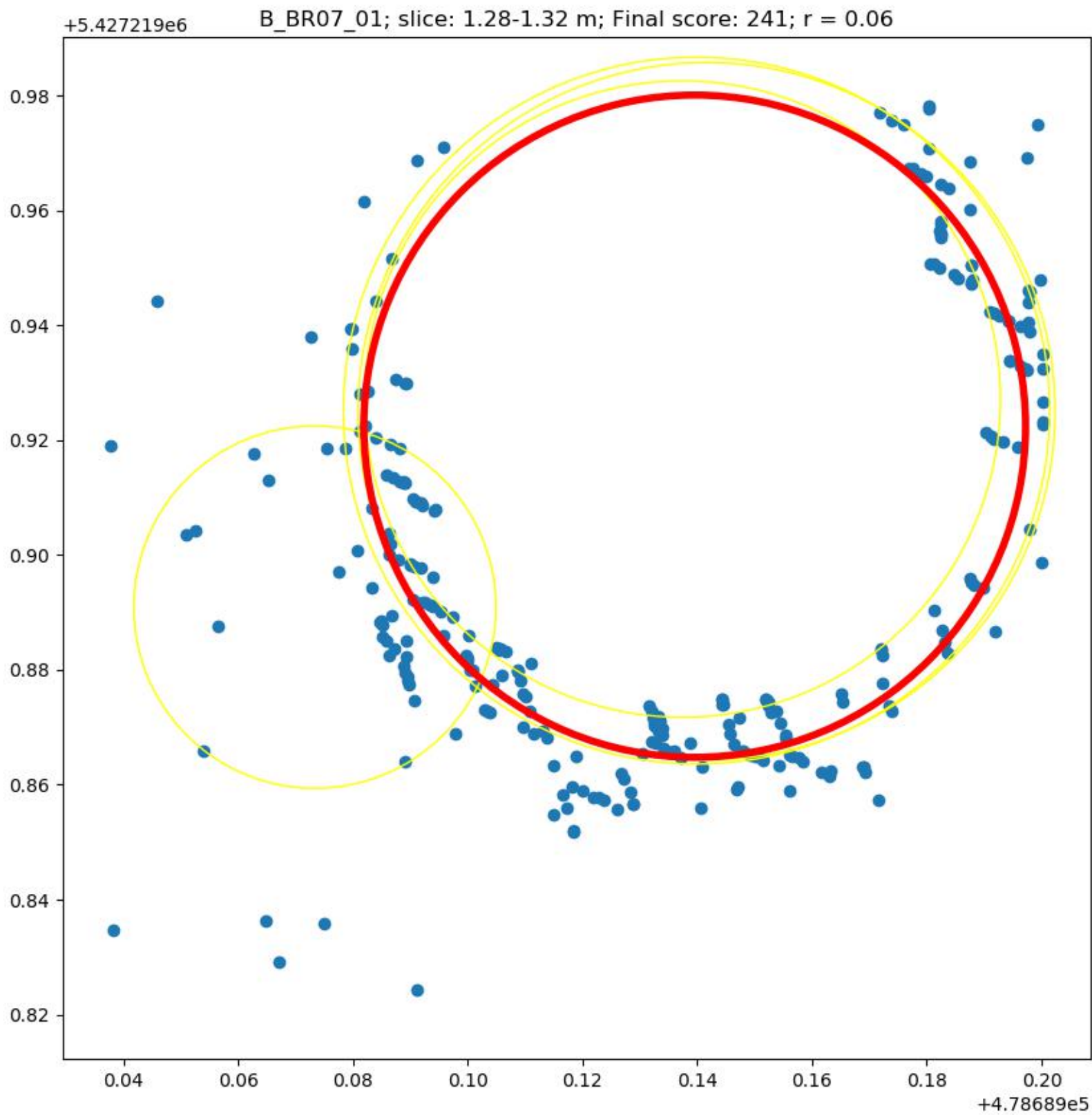
FagSyl_BR06_07



FagSyl_BR06_08

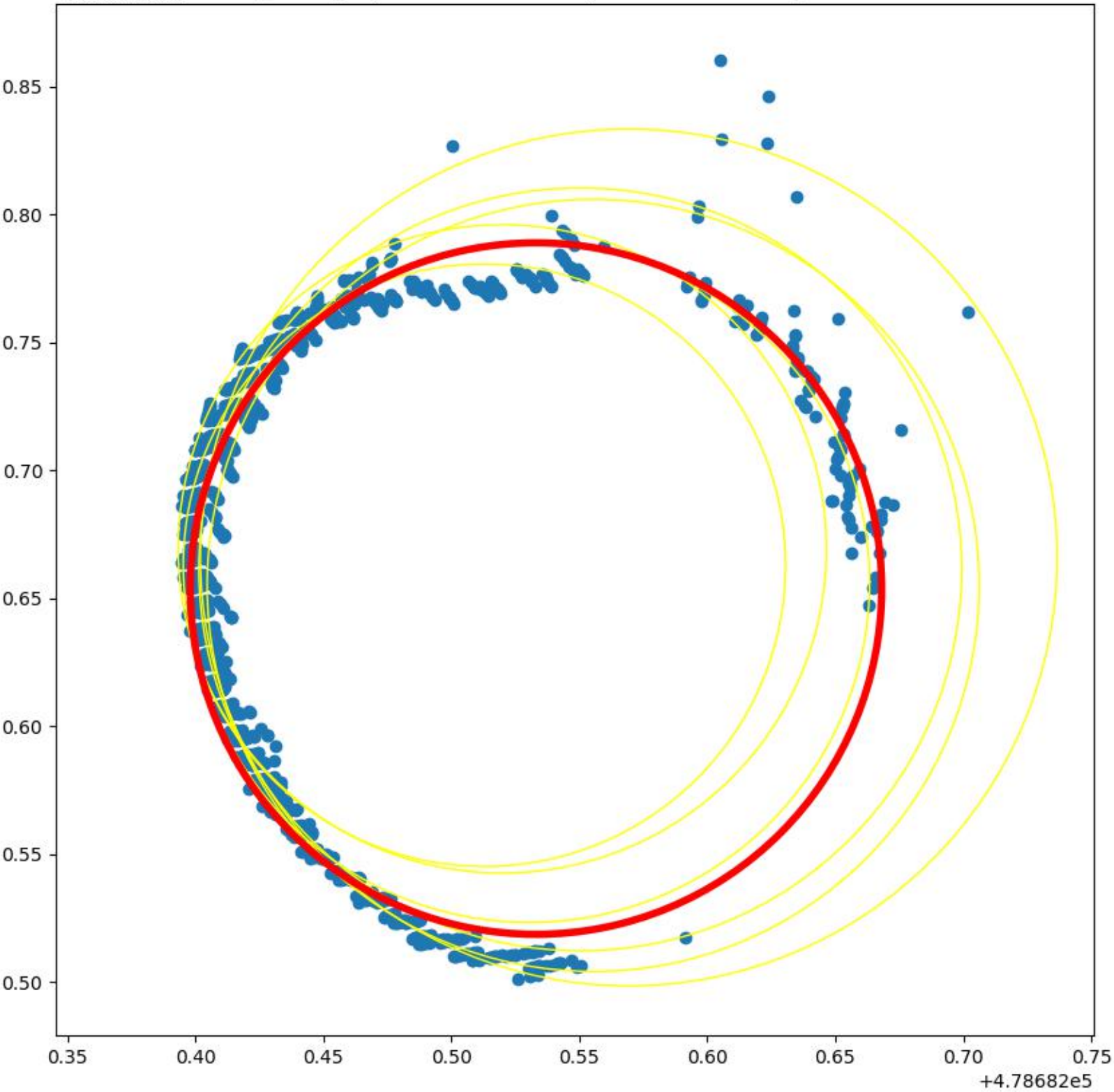


FagSyl_BR07_01

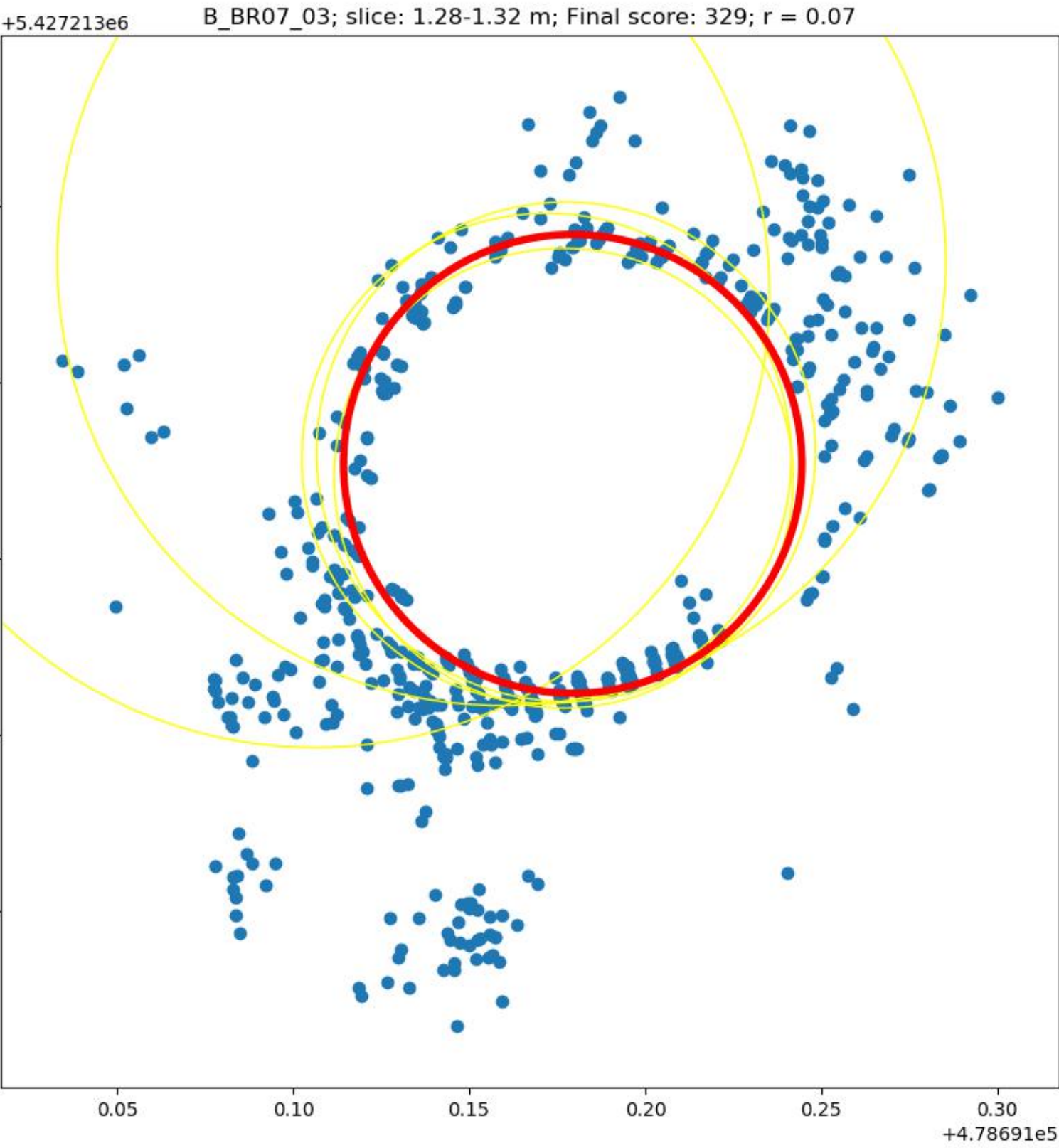


FagSyl_BR07_02

+5.427212e6 B_BR07_02; slice: 1.28-1.32 m; Final score: 1168; r = 0.14

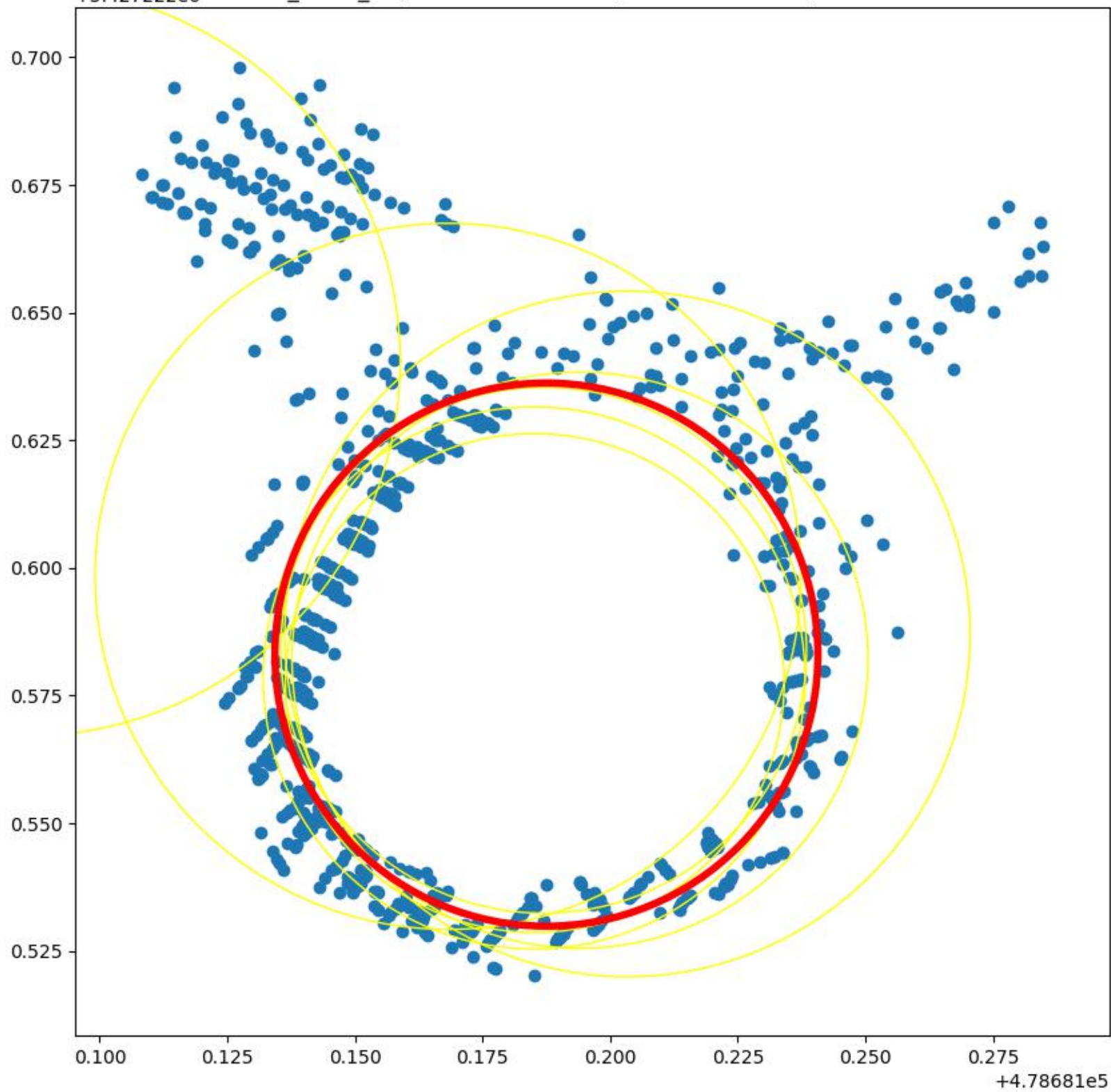


FagSyl_BR07_03



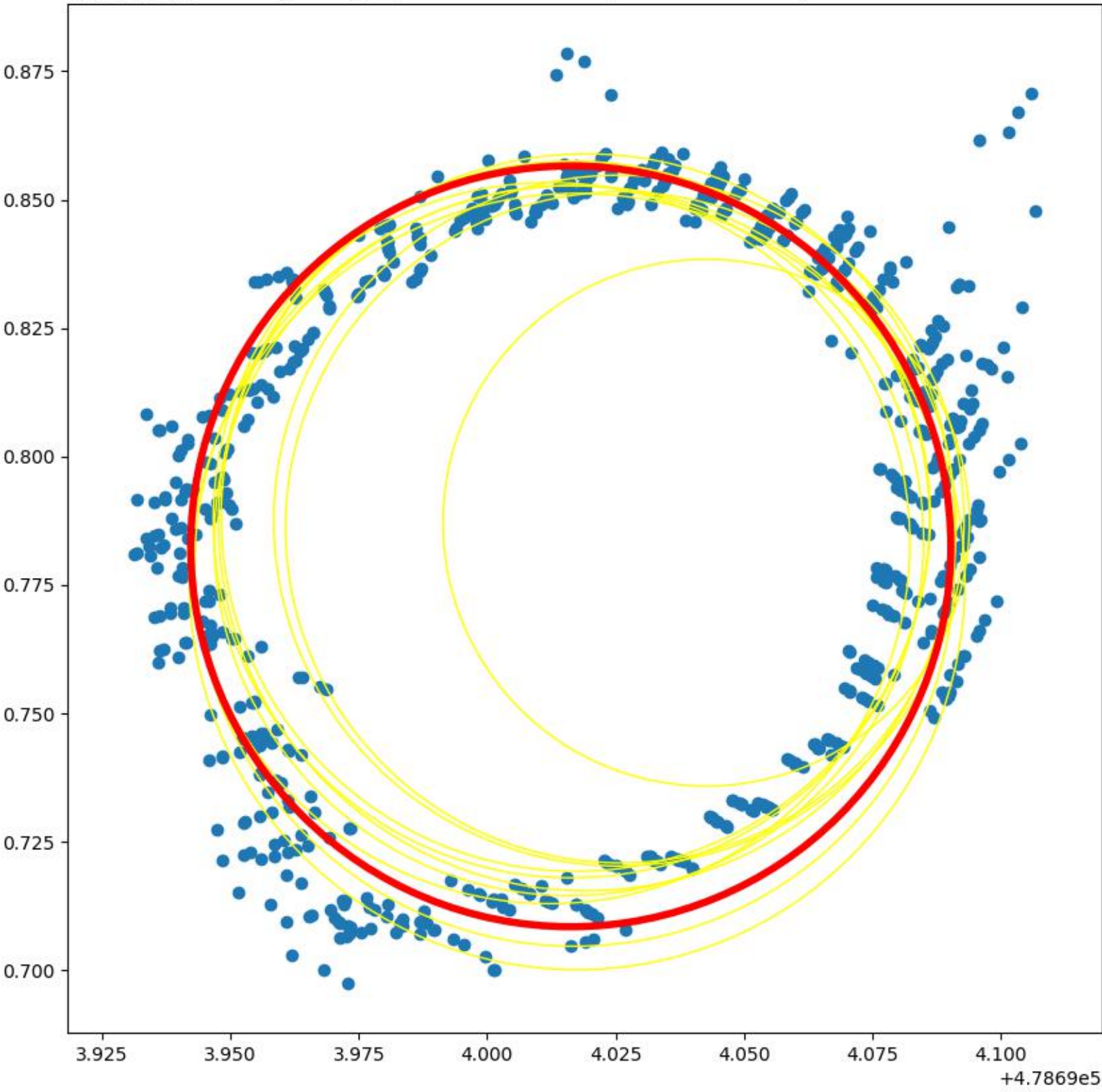
FagSyl_BR07_04

+5.427222e6 B_BR07_04; slice: 1.28-1.32 m; Final score: 691; $r = 0.05$

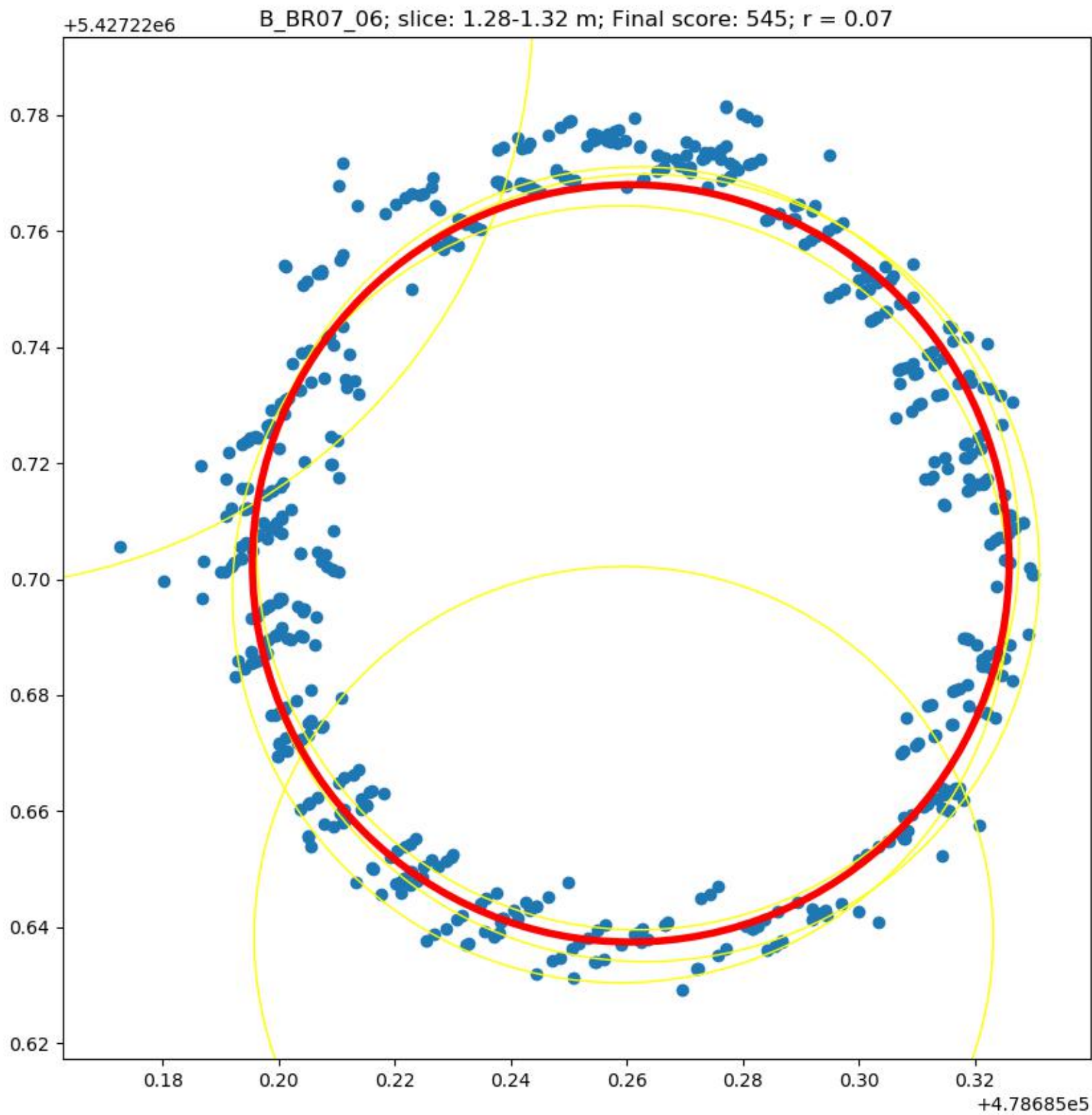


FagSyl_BR07_05

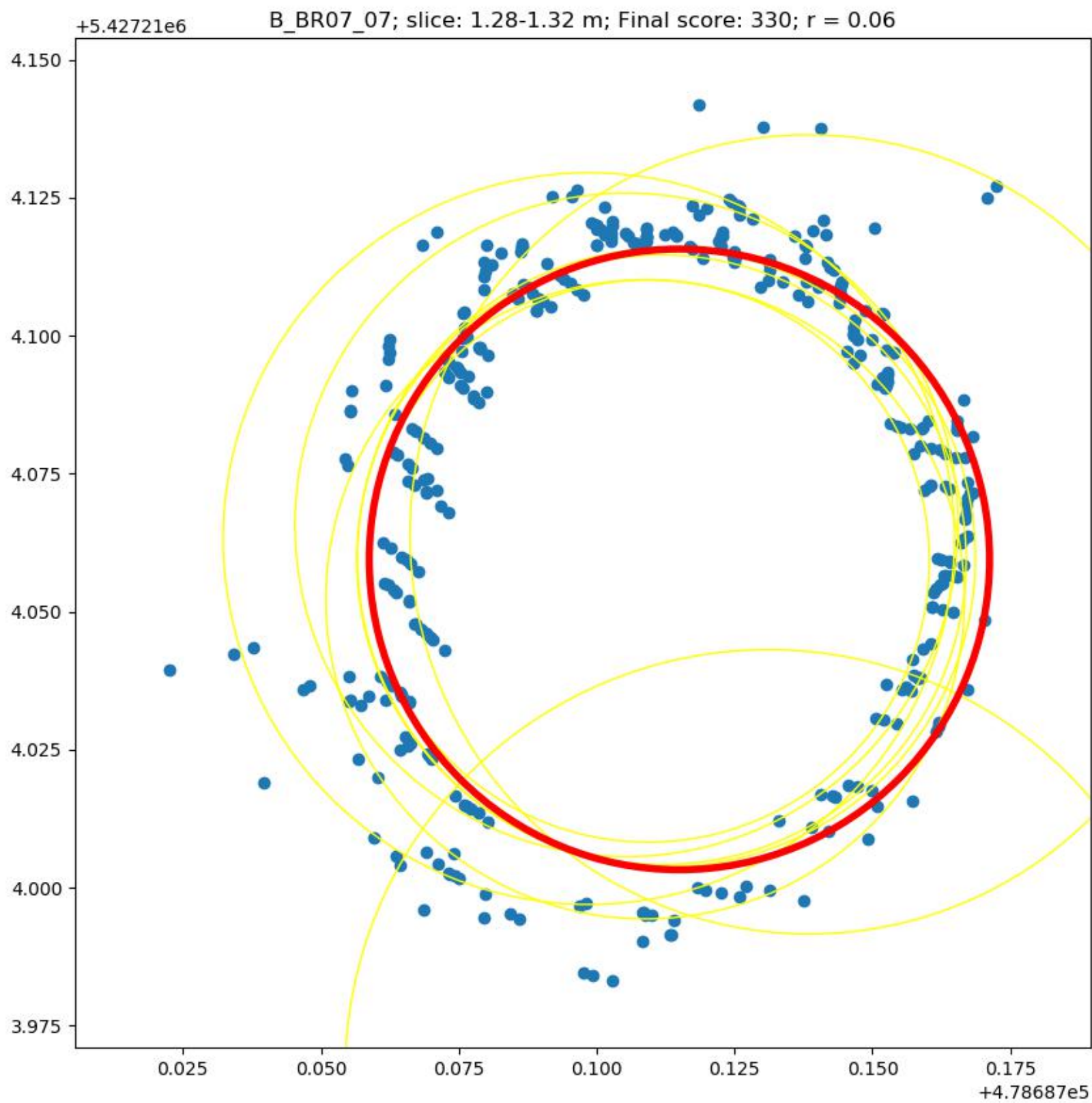
+5.427217e6 B_BR07_05; slice: 1.28-1.32 m; Final score: 606; r = 0.07



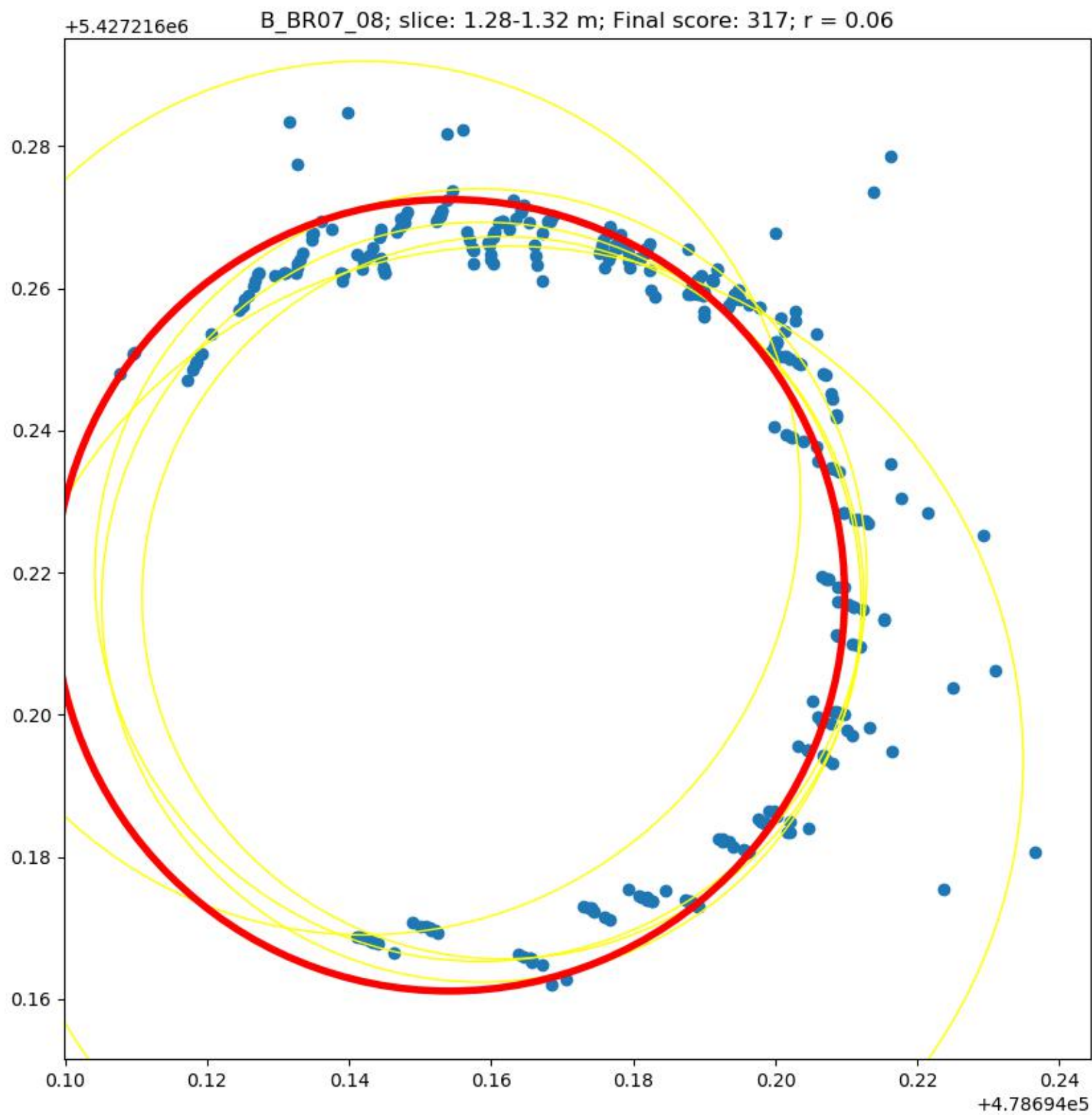
FagSyl_BR07_06



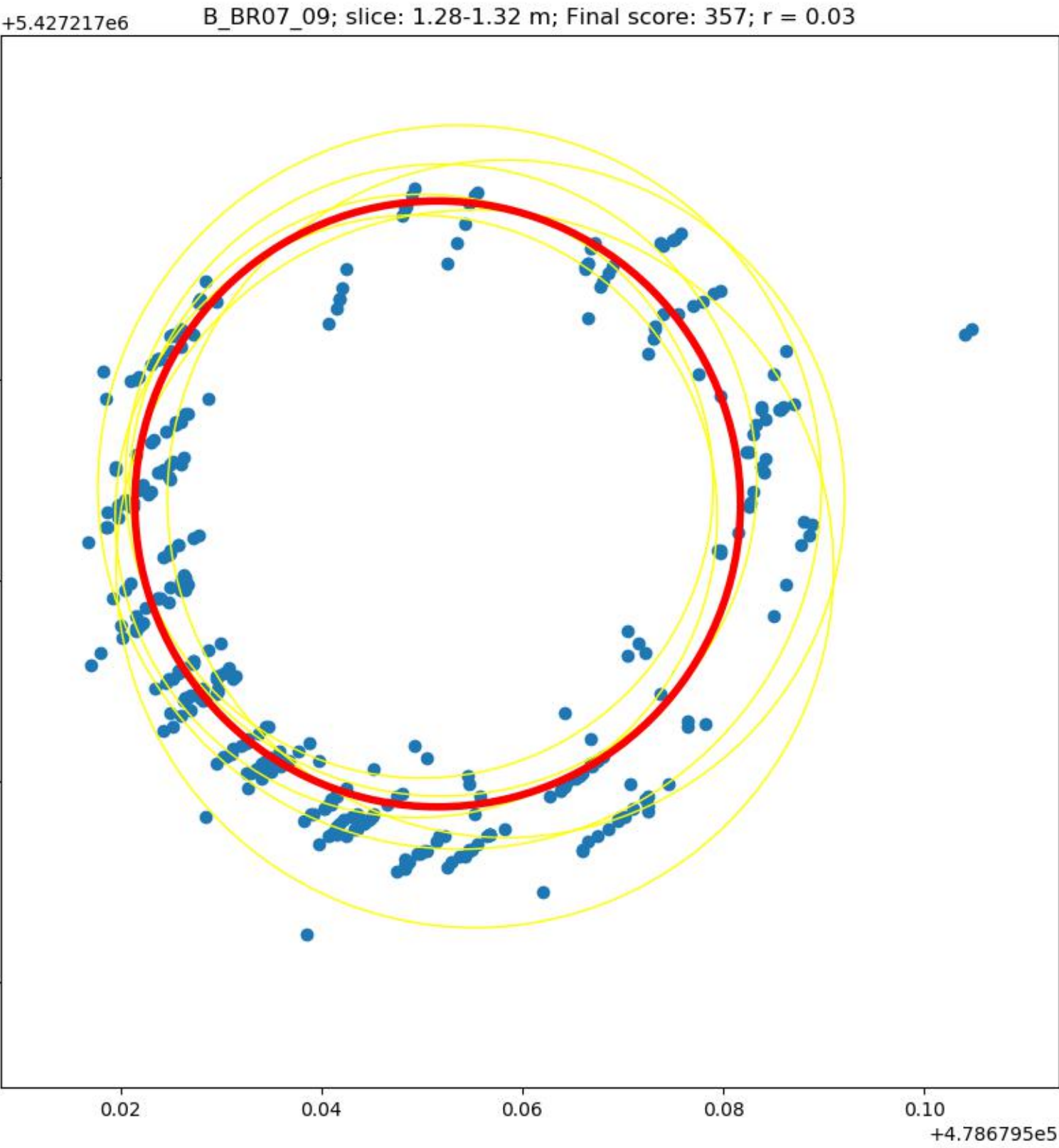
FagSyl_BR07_07



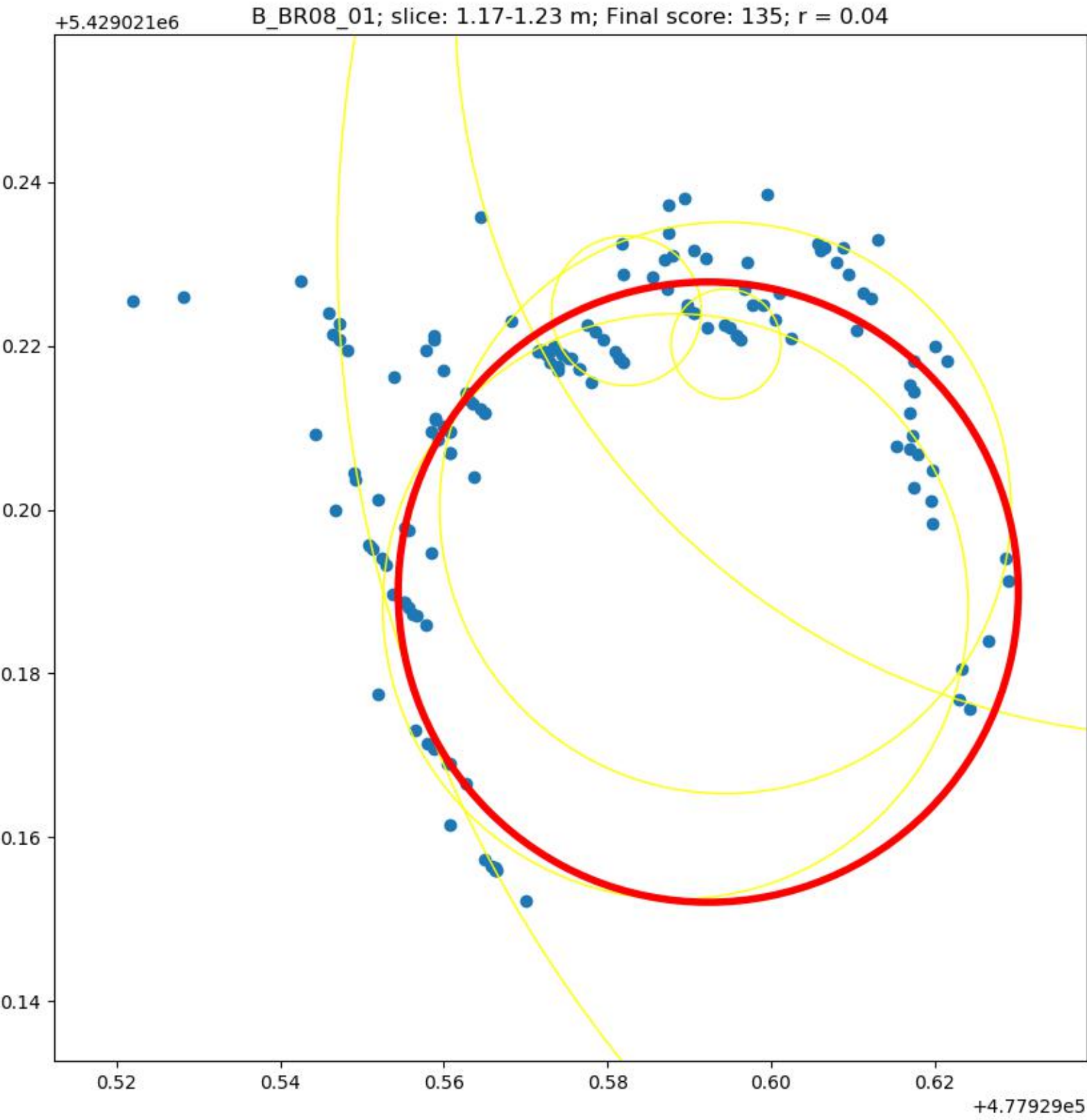
FagSyl_BR07_08



FagSyl_BR07_09

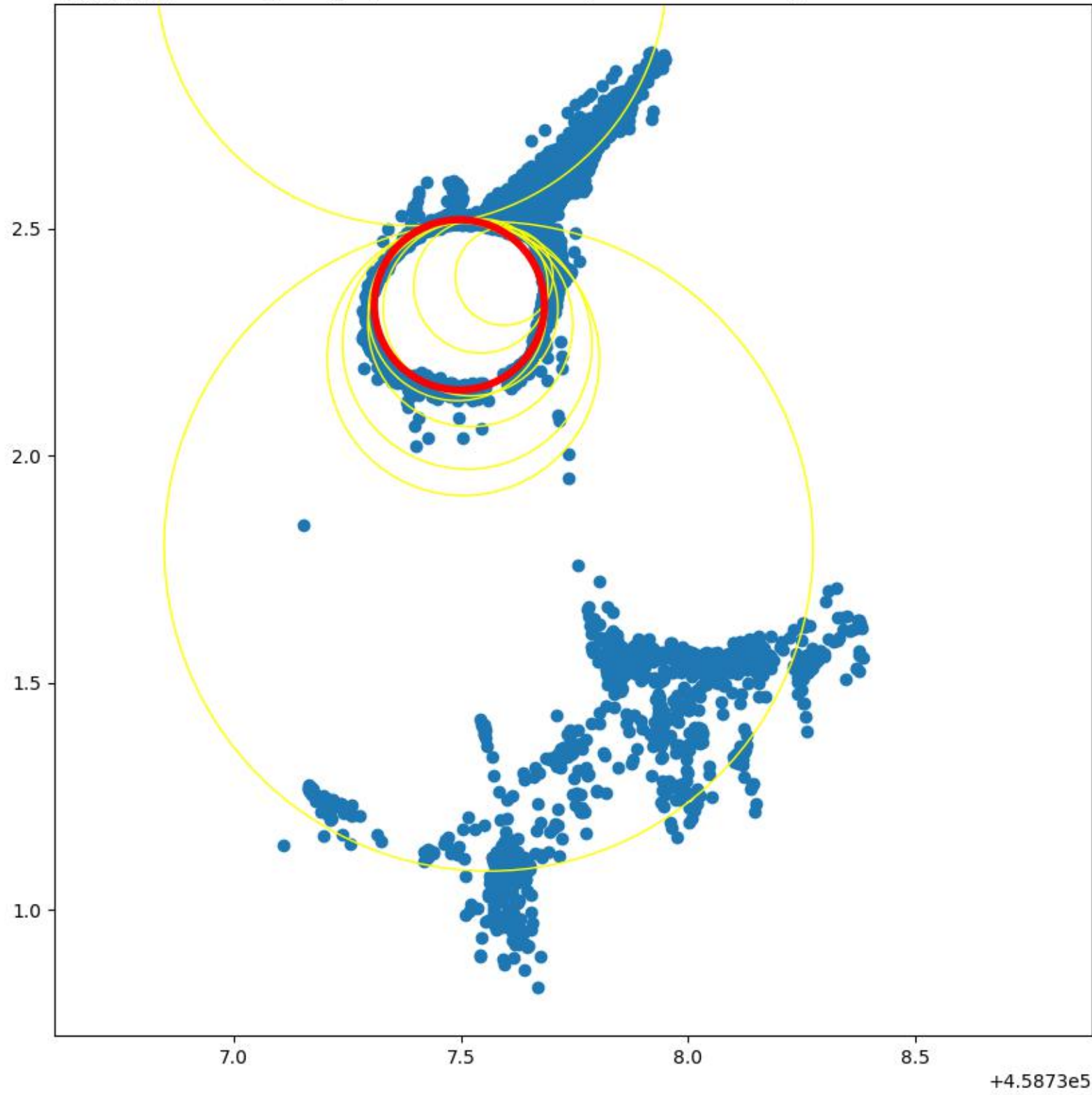


FagSyl_BR08_01

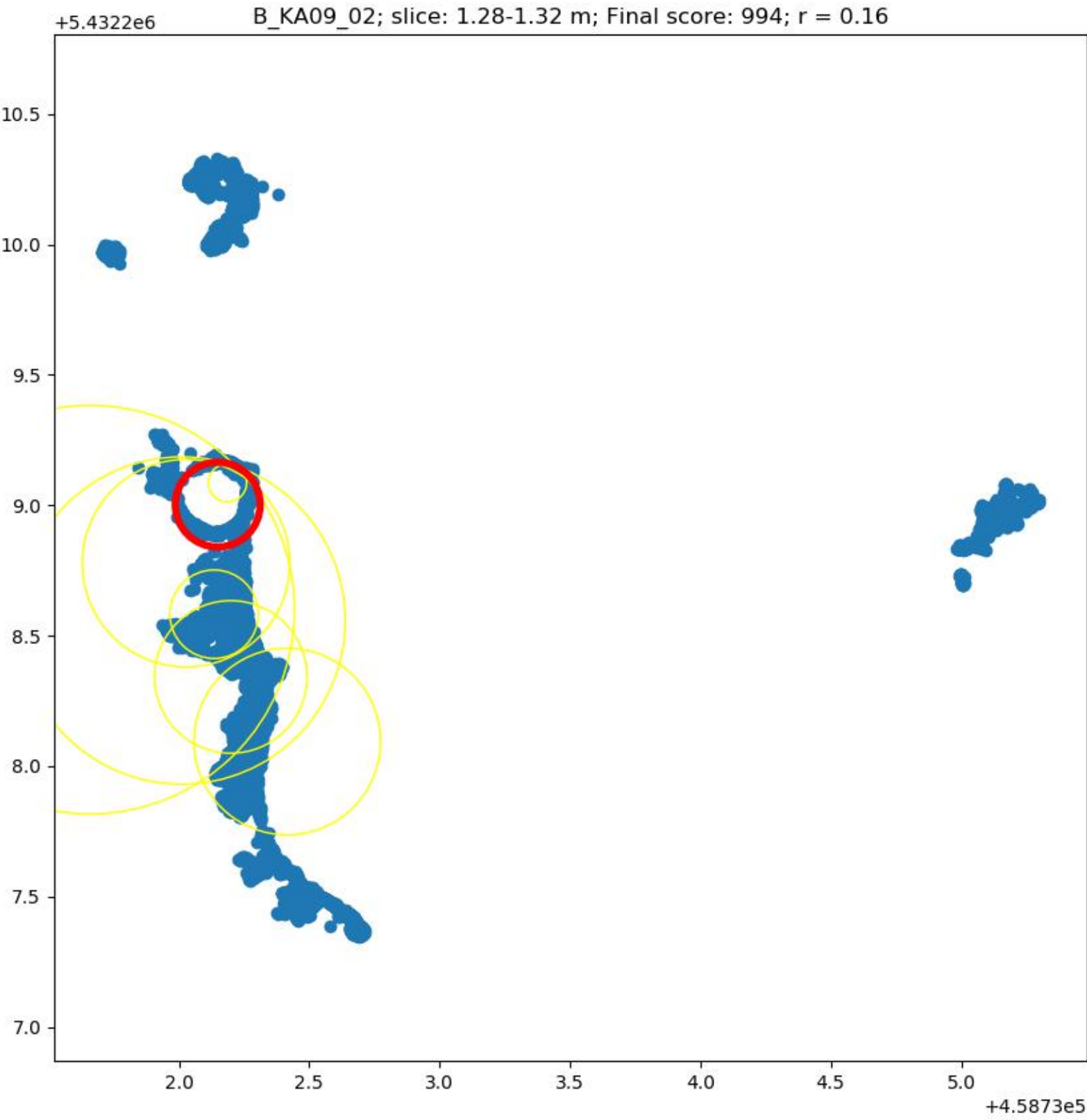


FagSyl_KA09_T045

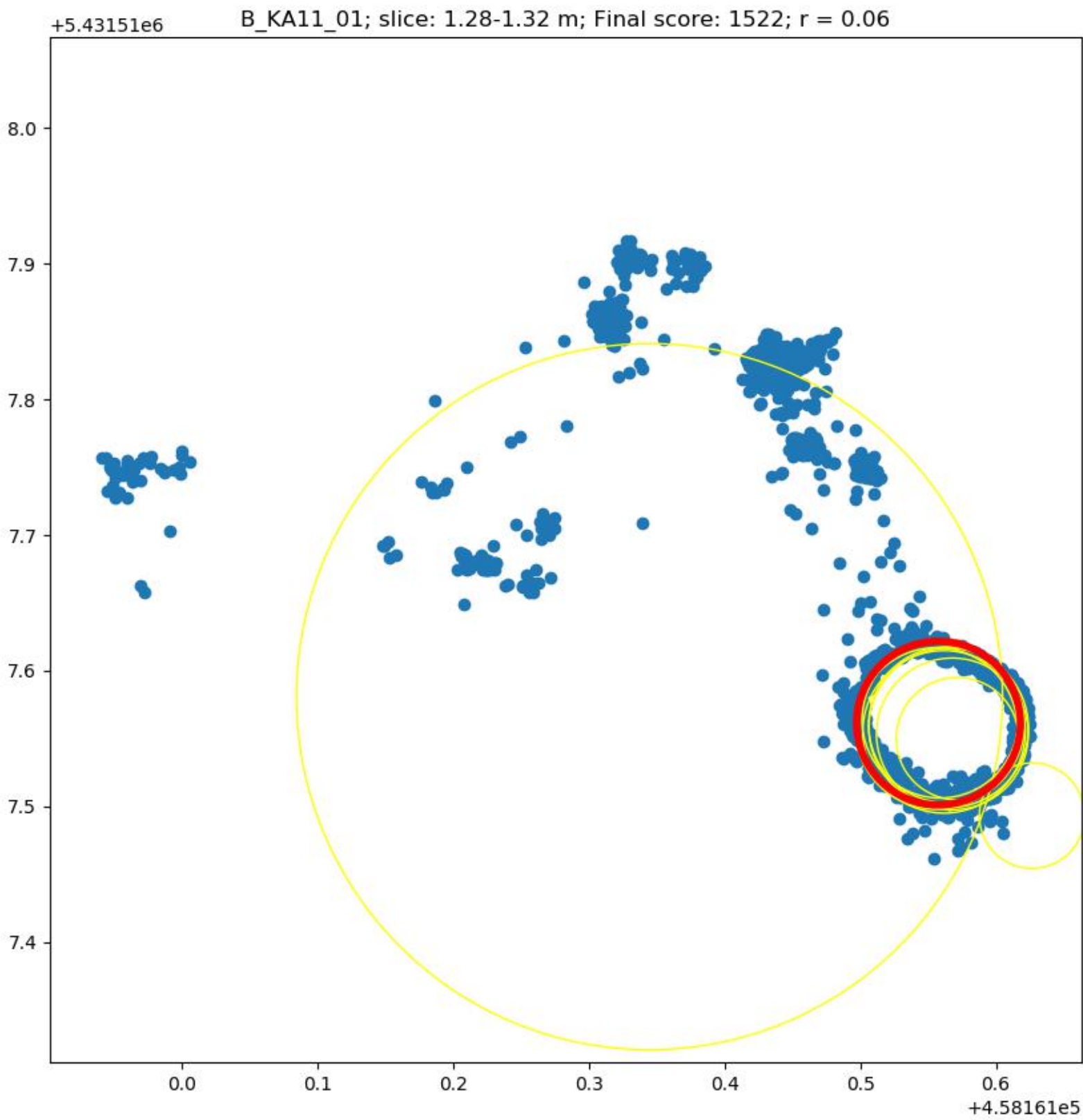
+5.43219e6 B_KA09_01; slice: 1.28-1.32 m; Final score: 3116; r = 0.19



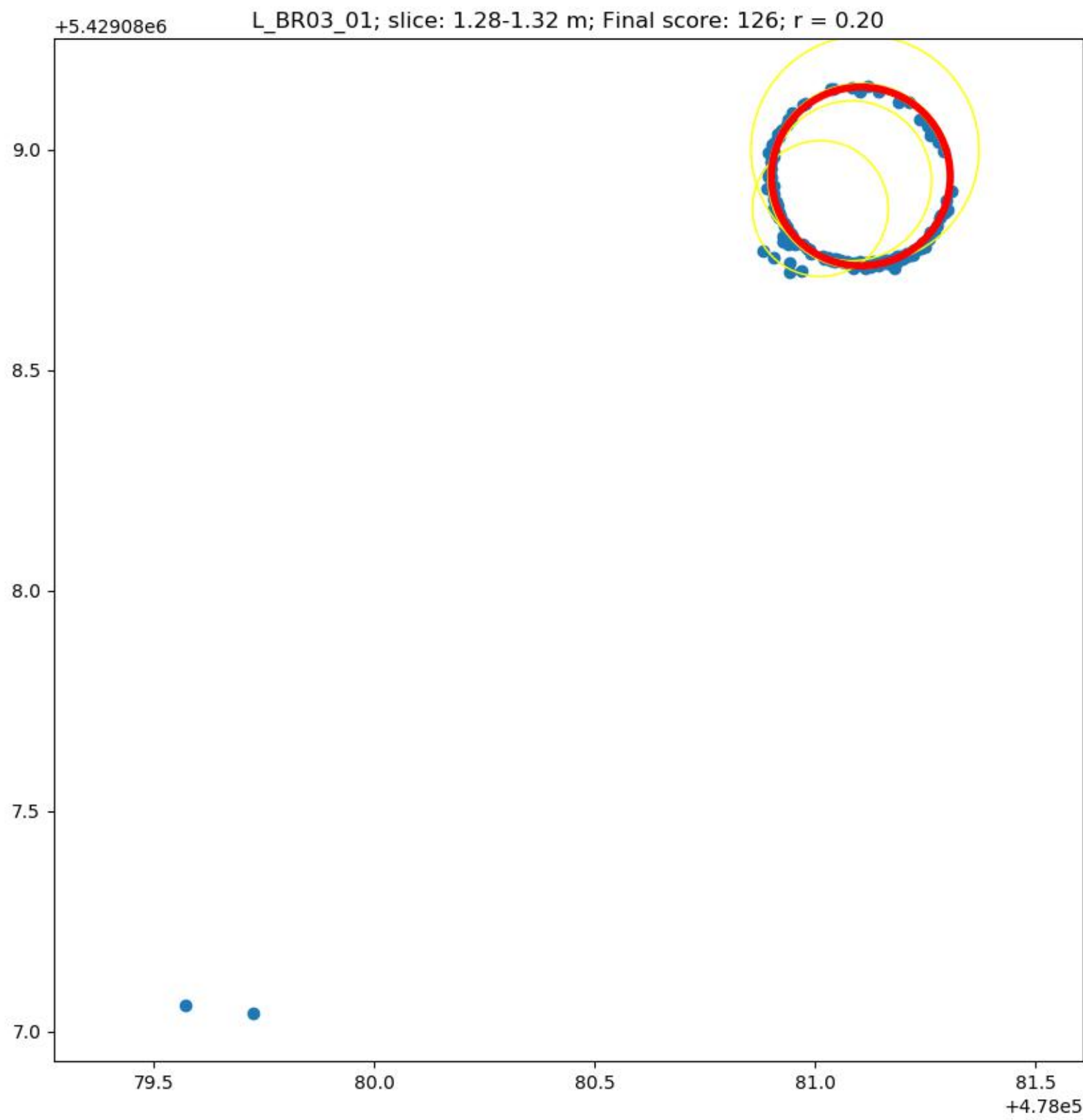
FagSyl_KA09_T046



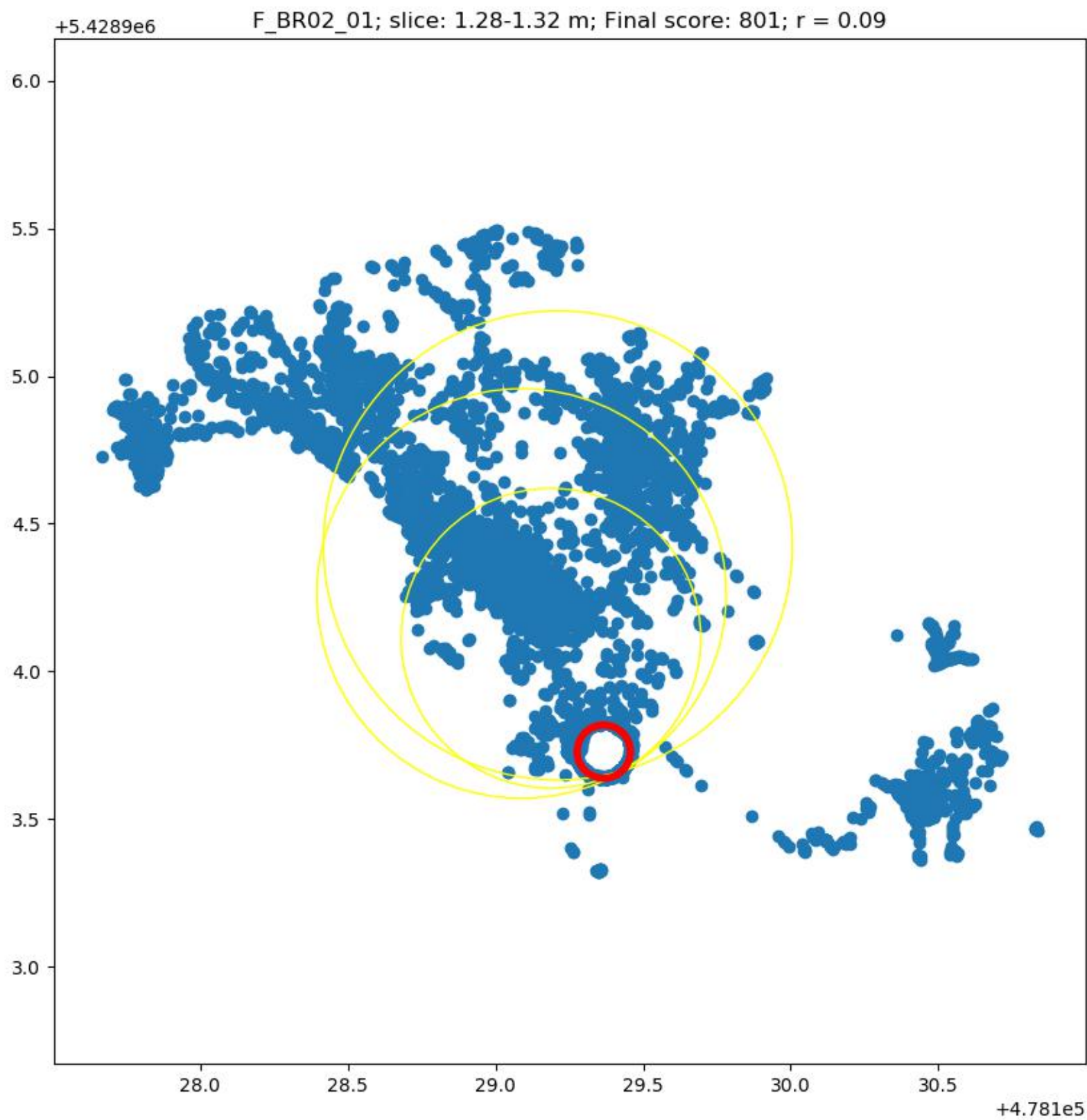
FagSyl_KA11_01



LarDec_BR03_01



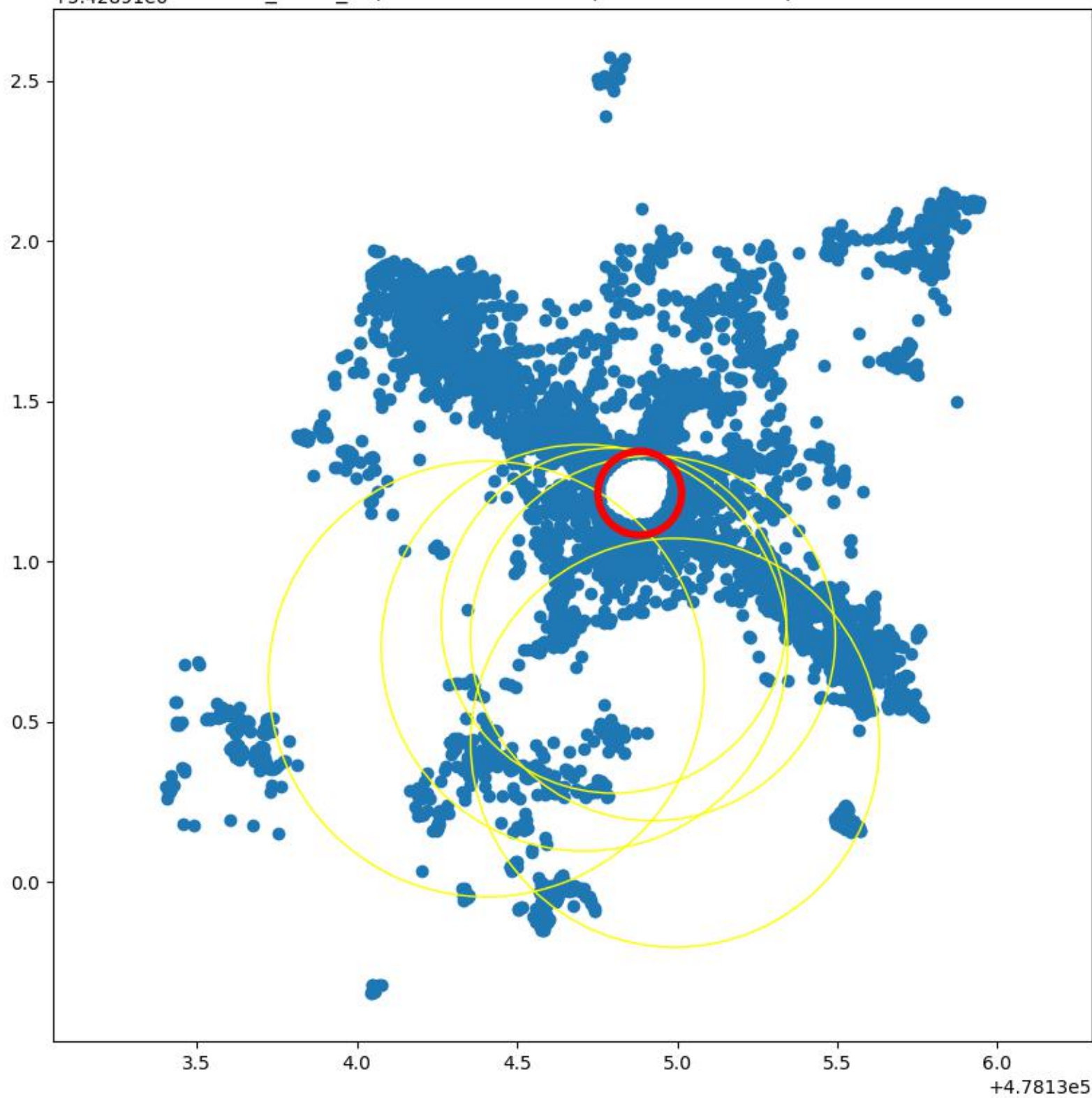
PicAbi_BR02_01



PicAbi_BR02_02

+5.42891e6

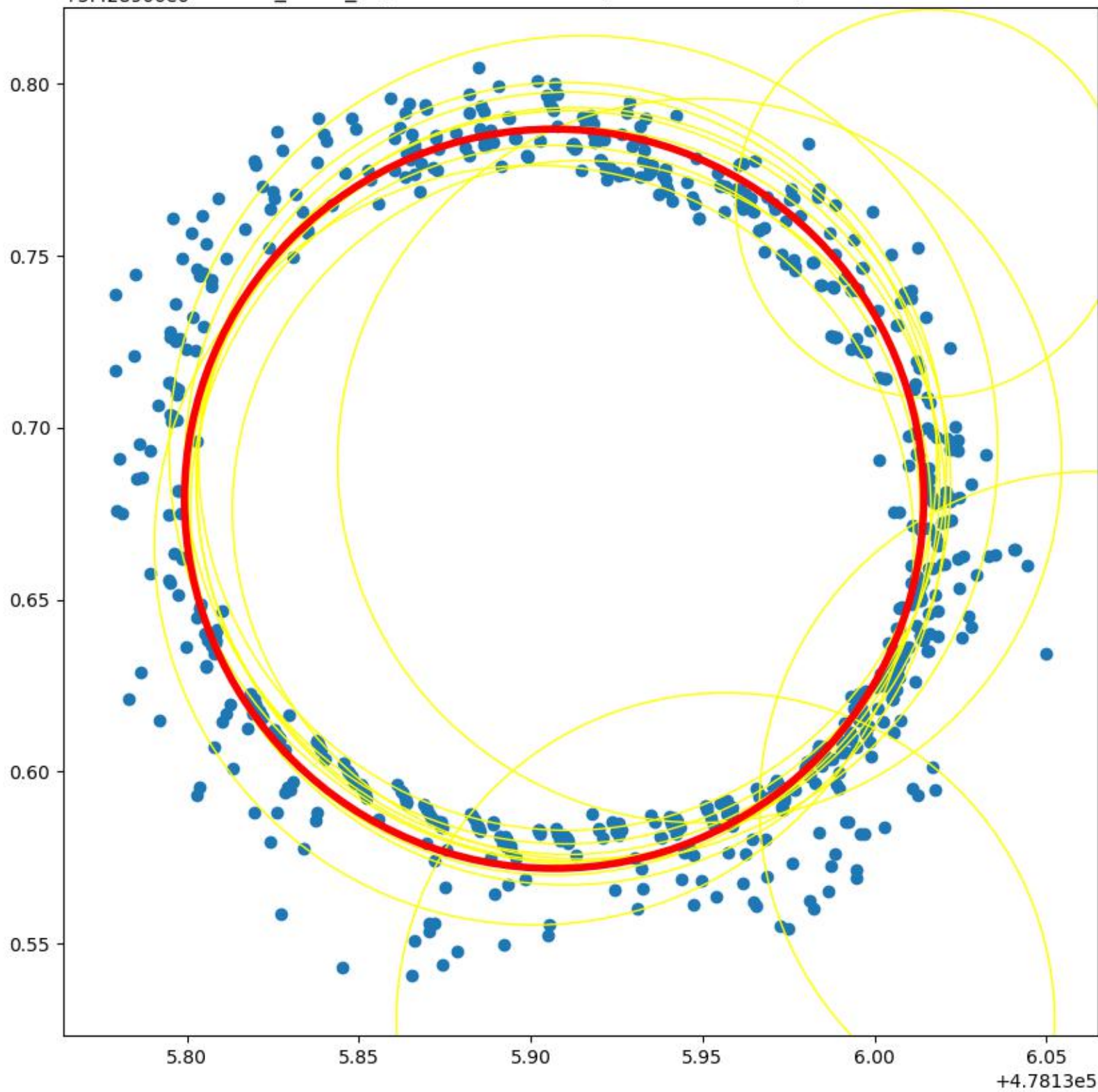
F_BR02_02; slice: 1.28-1.32 m; Final score: 386; $r = 0.13$



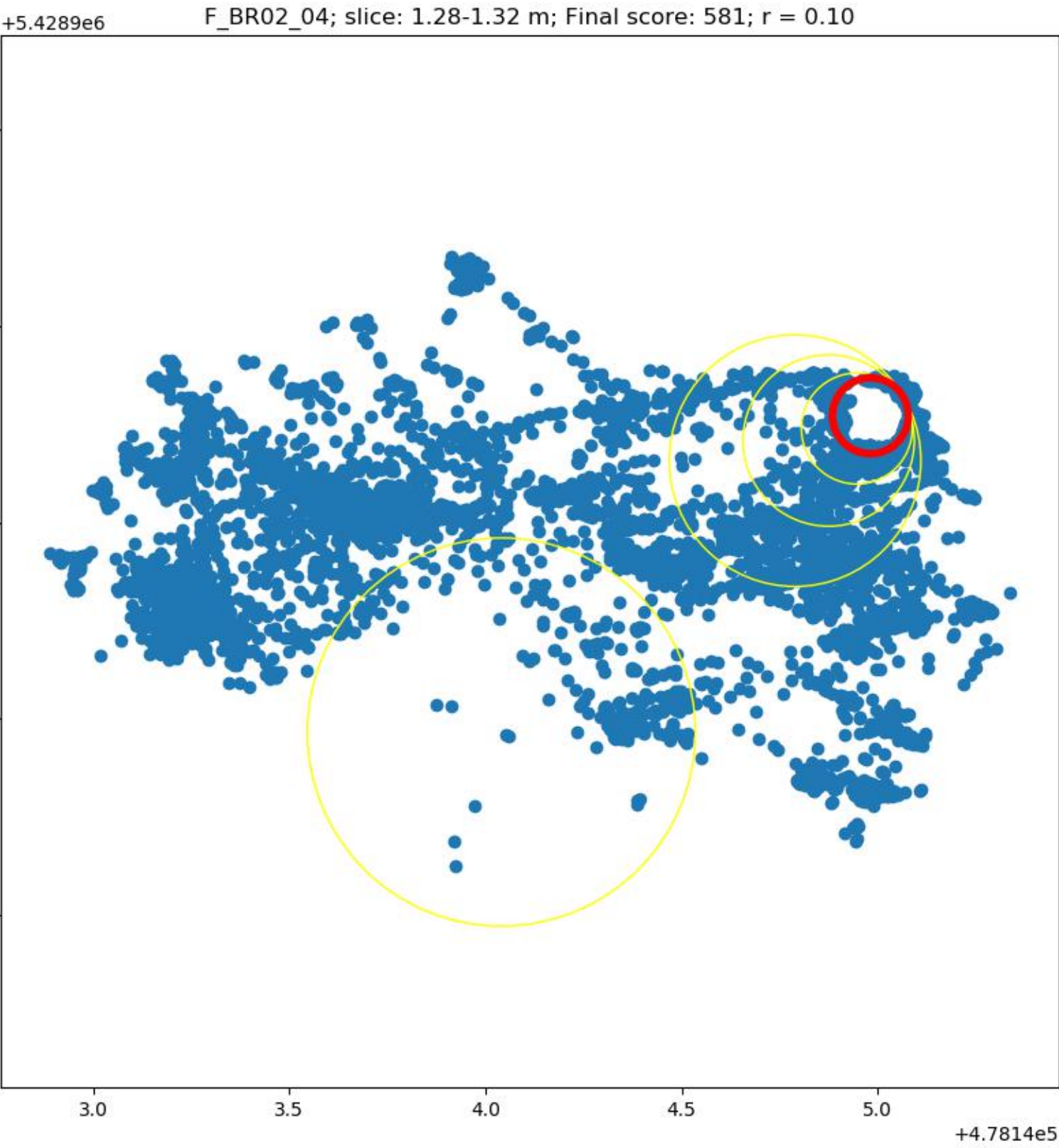
PicAbi_BR02_03

+5.428906e6

F_BR02_03; slice: 1.28-1.32 m; Final score: 554; $r = 0.11$



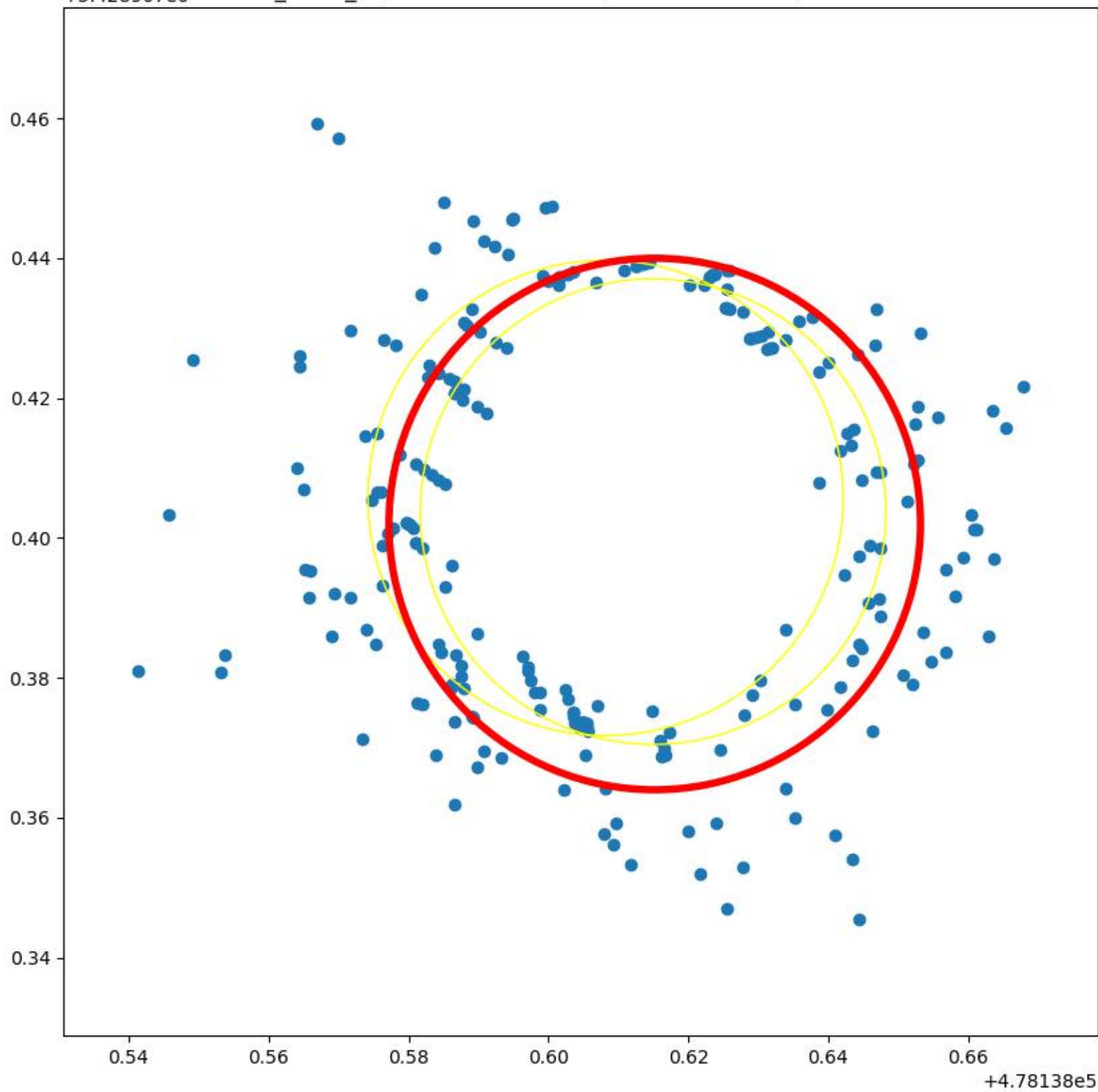
PicAbi_BR02_04



PicAbi_BR02_05

+5.428907e6

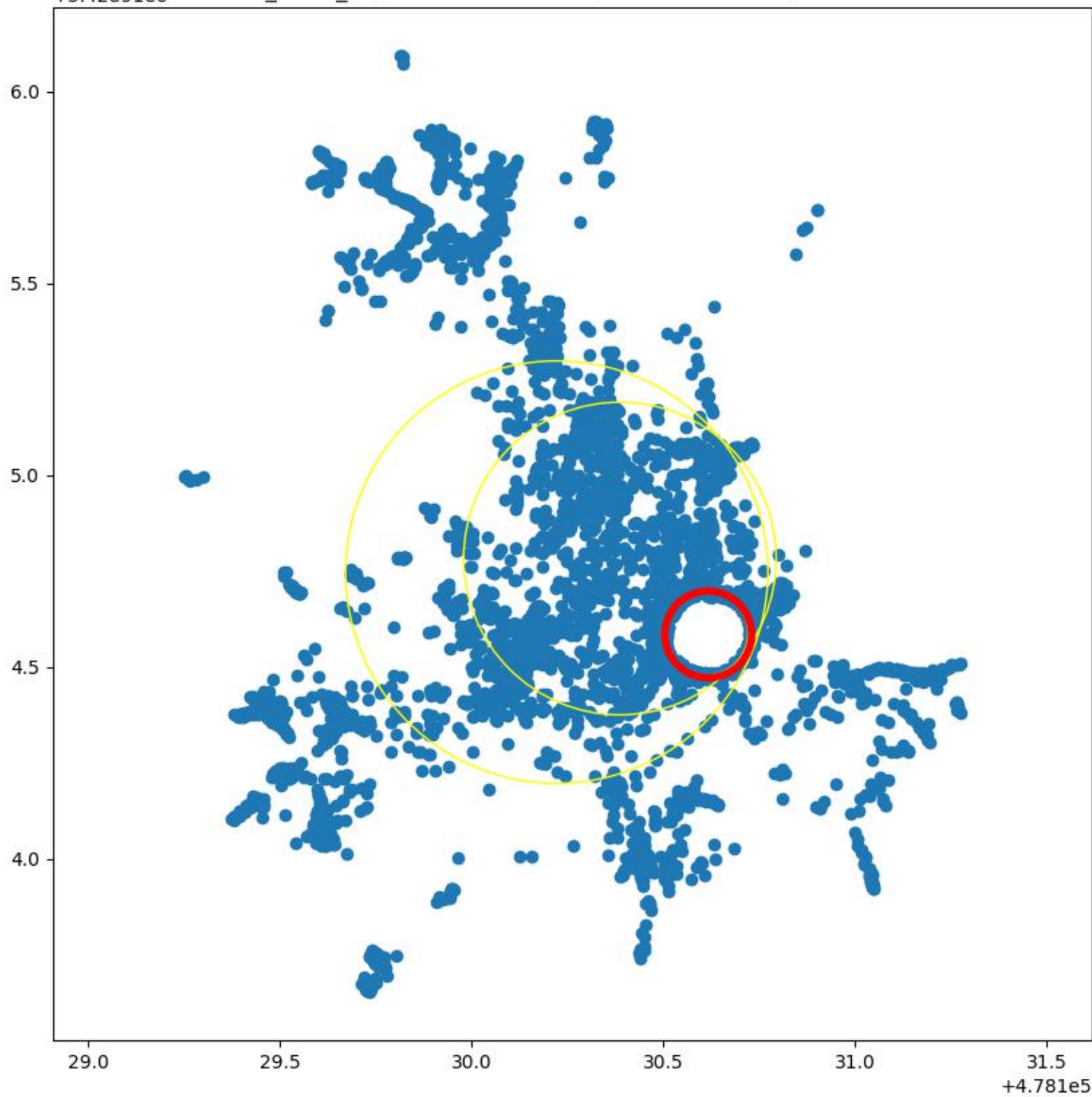
F_BR02_05; slice: 1.28-1.32 m; Final score: 184; $r = 0.04$



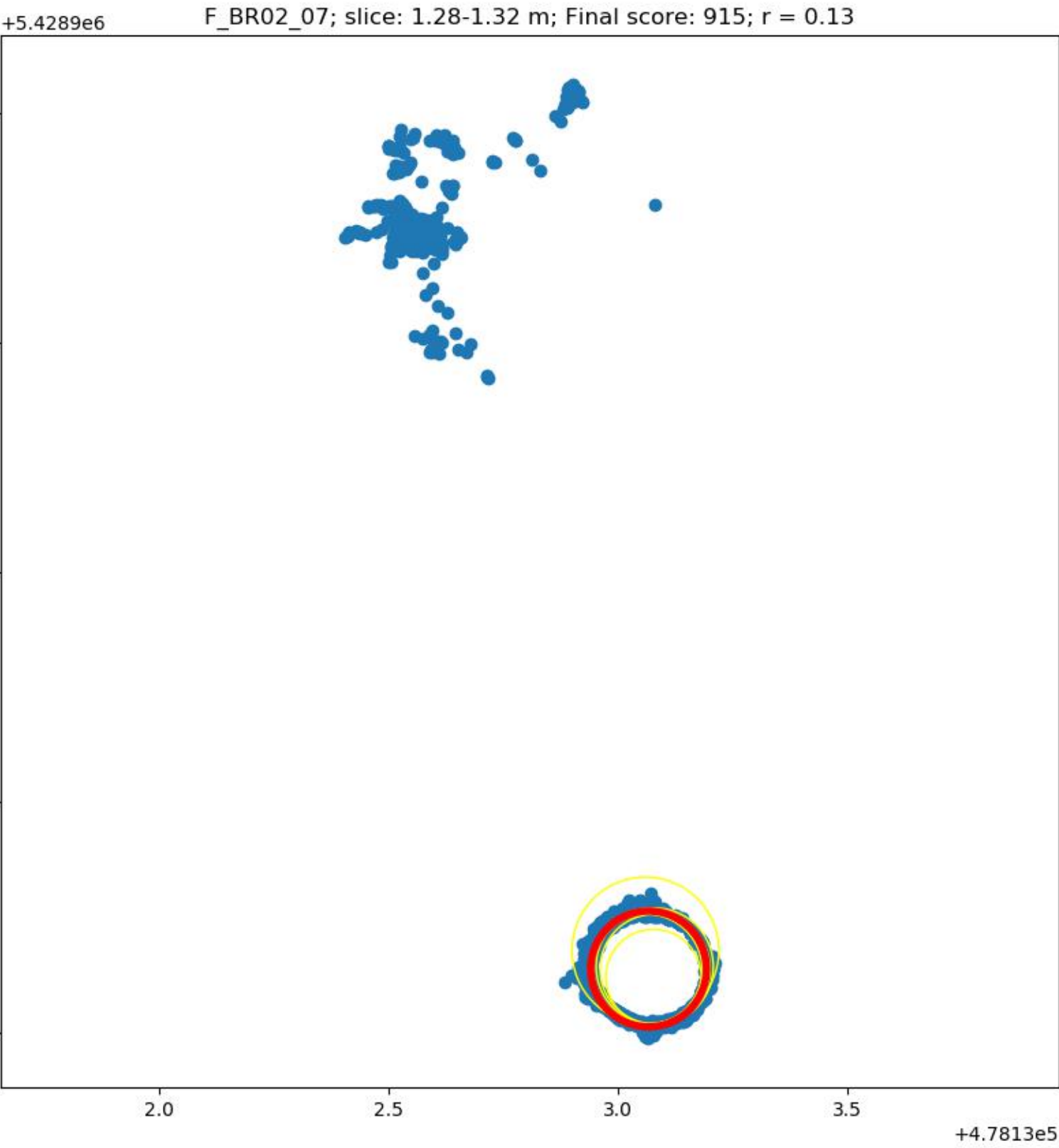
PicAbi_BR02_06

+5.42891e6

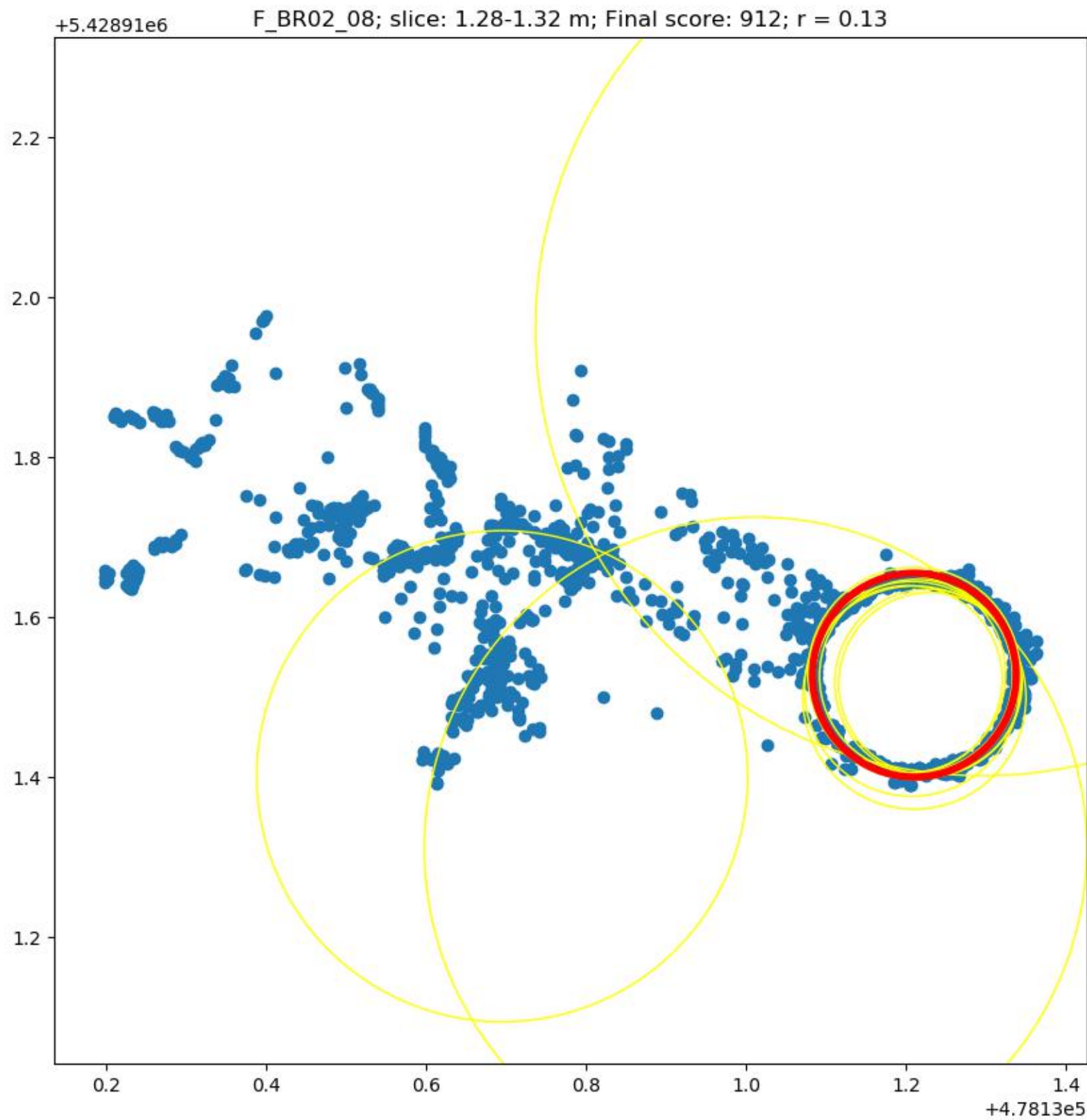
F_BR02_06; slice: 1.28-1.32 m; Final score: 786; $r = 0.11$



PicAbi_BR02_07

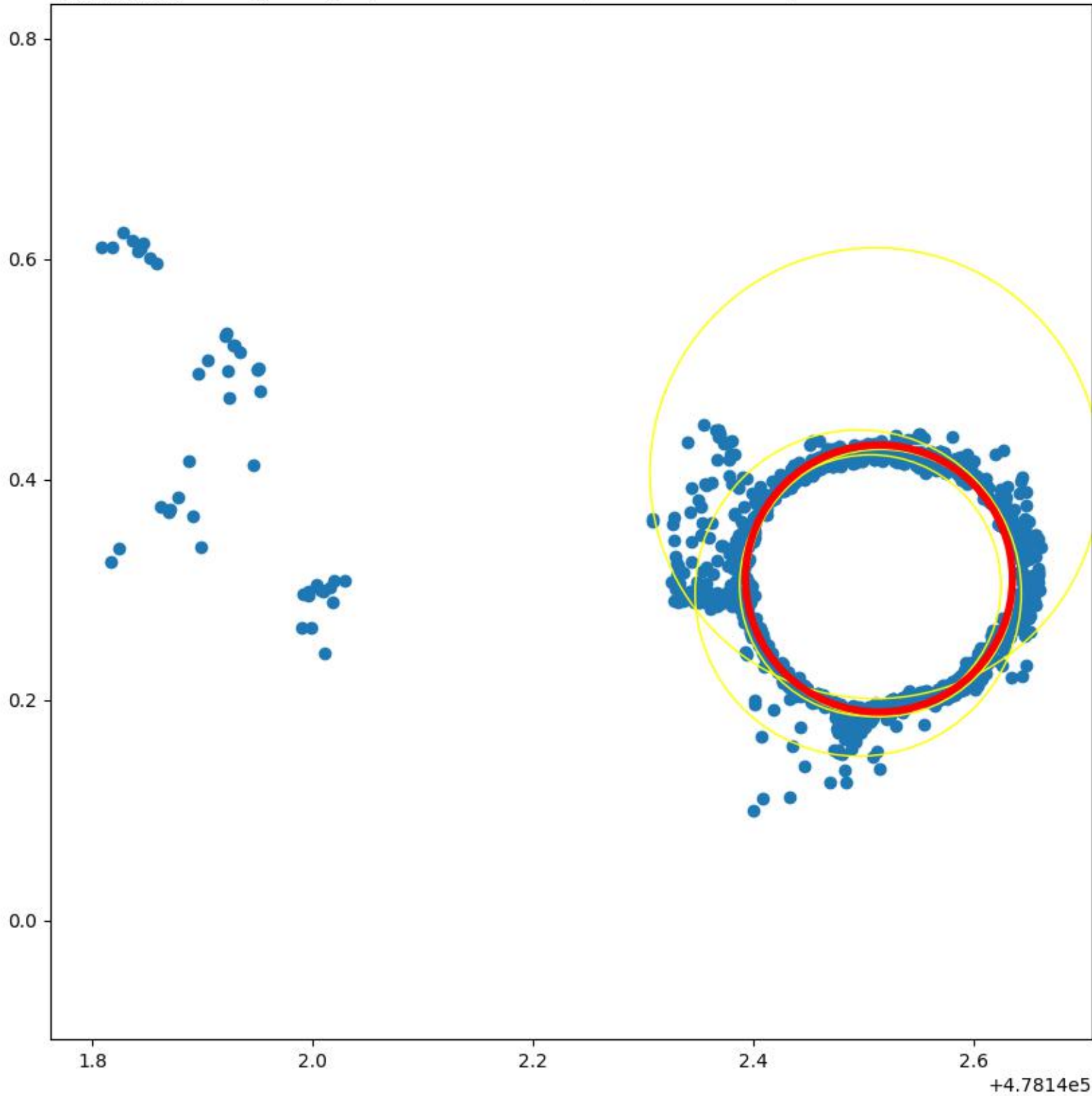


PicAbi_BR02_08

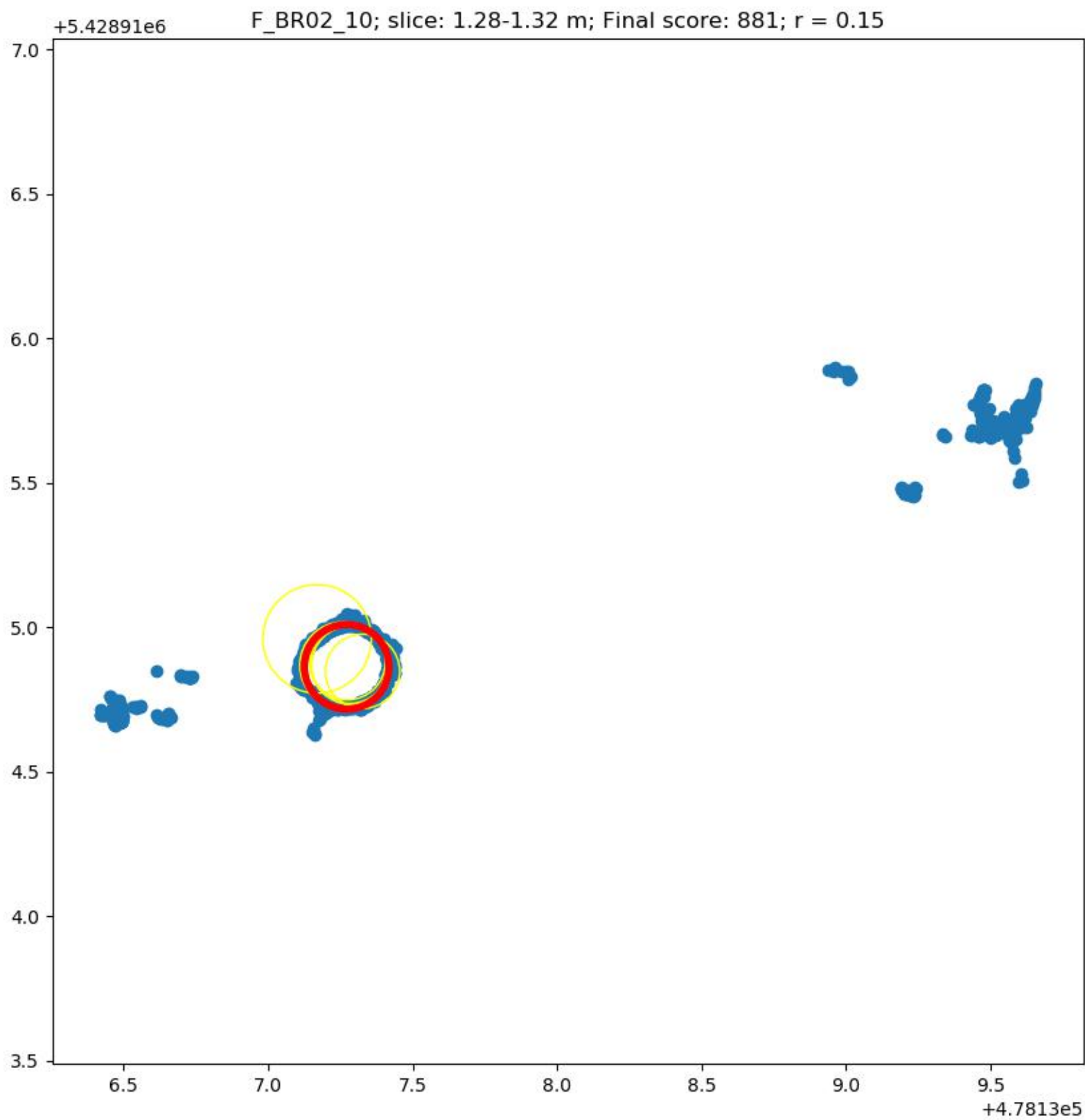


PicAbi_BR02_09

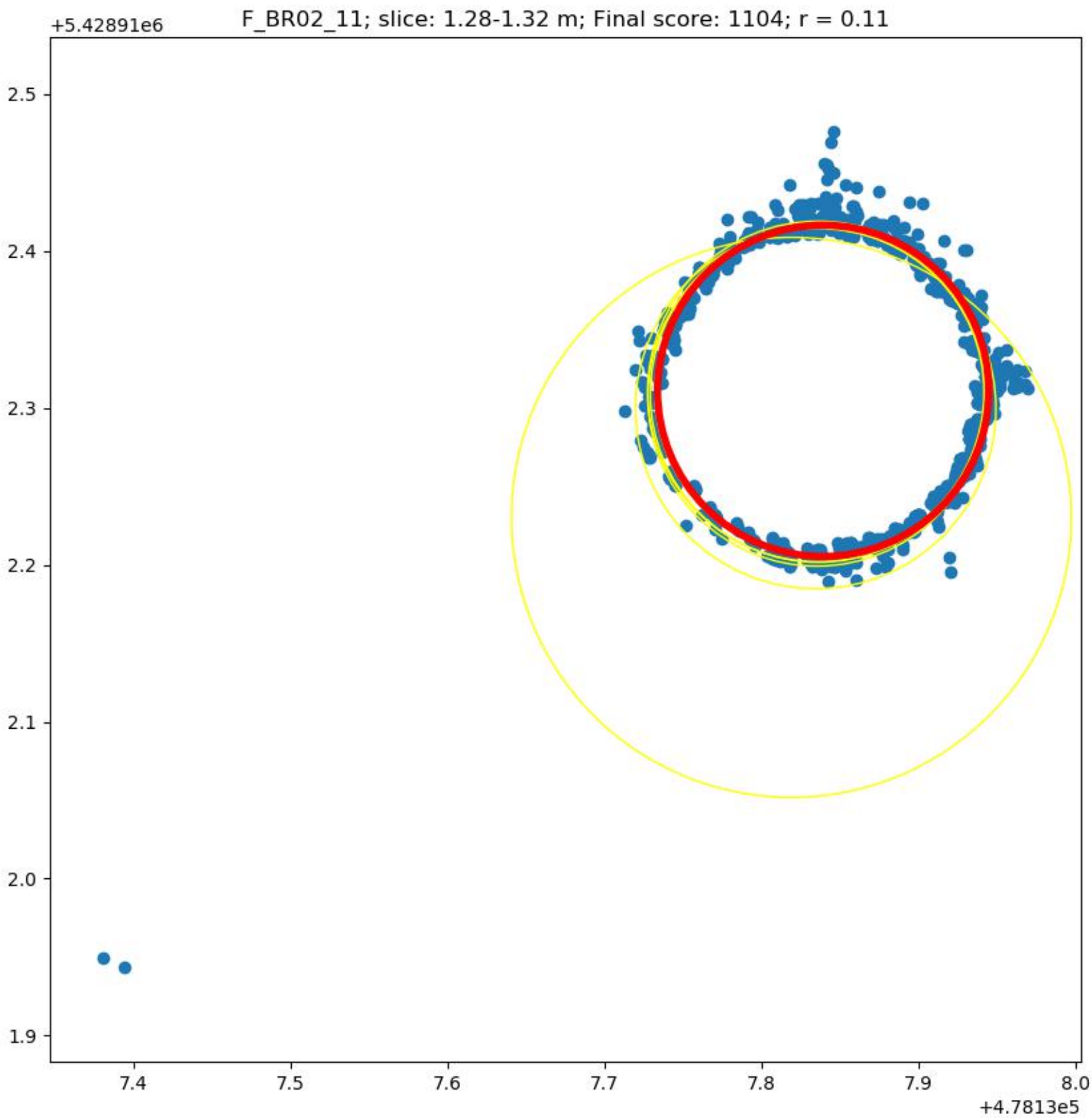
+5.428908e6 F_BR02_09; slice: 1.28-1.32 m; Final score: 1158; r = 0.12



PicAbi_BR02_10



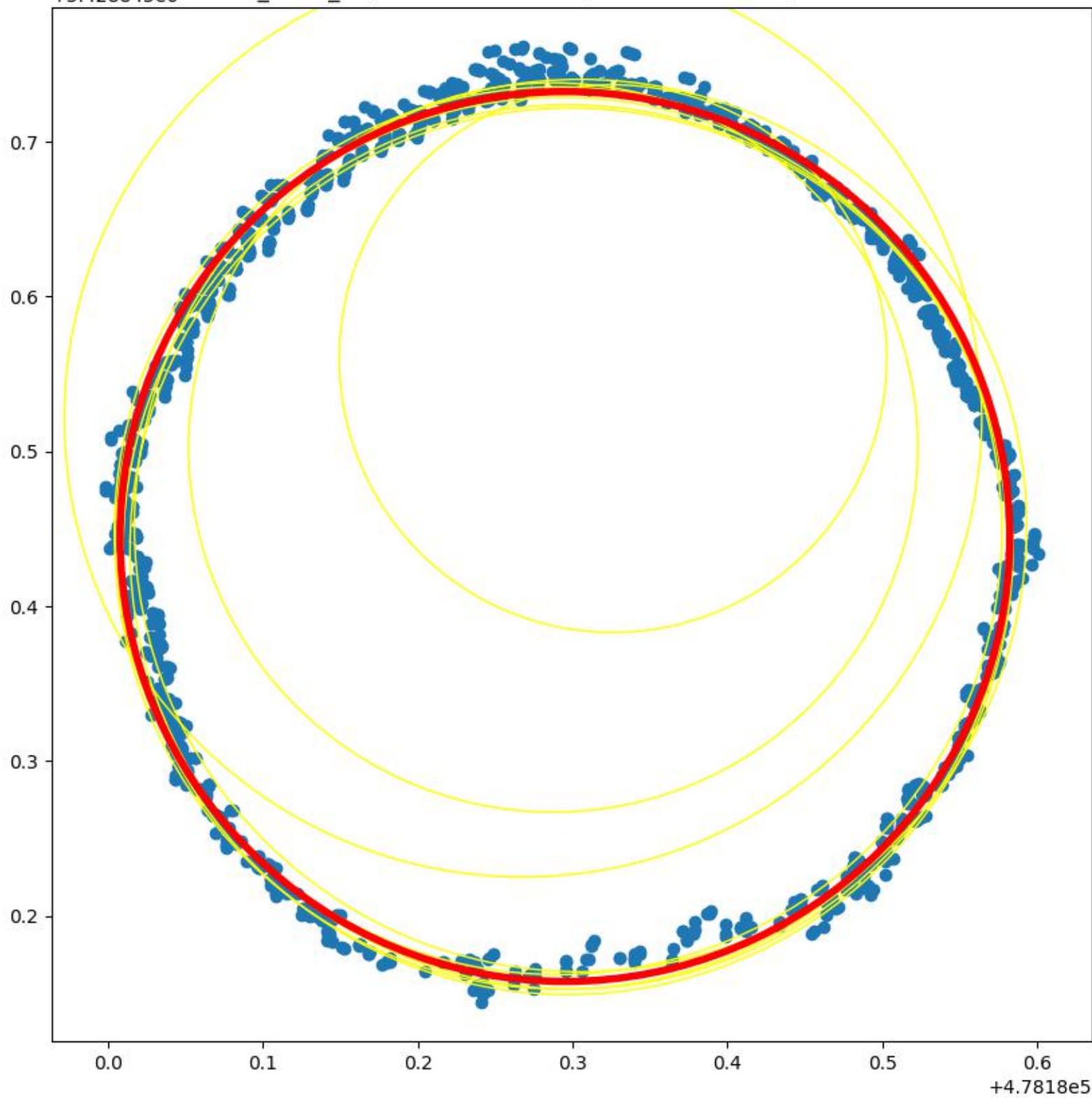
PicAbi_BR02_11



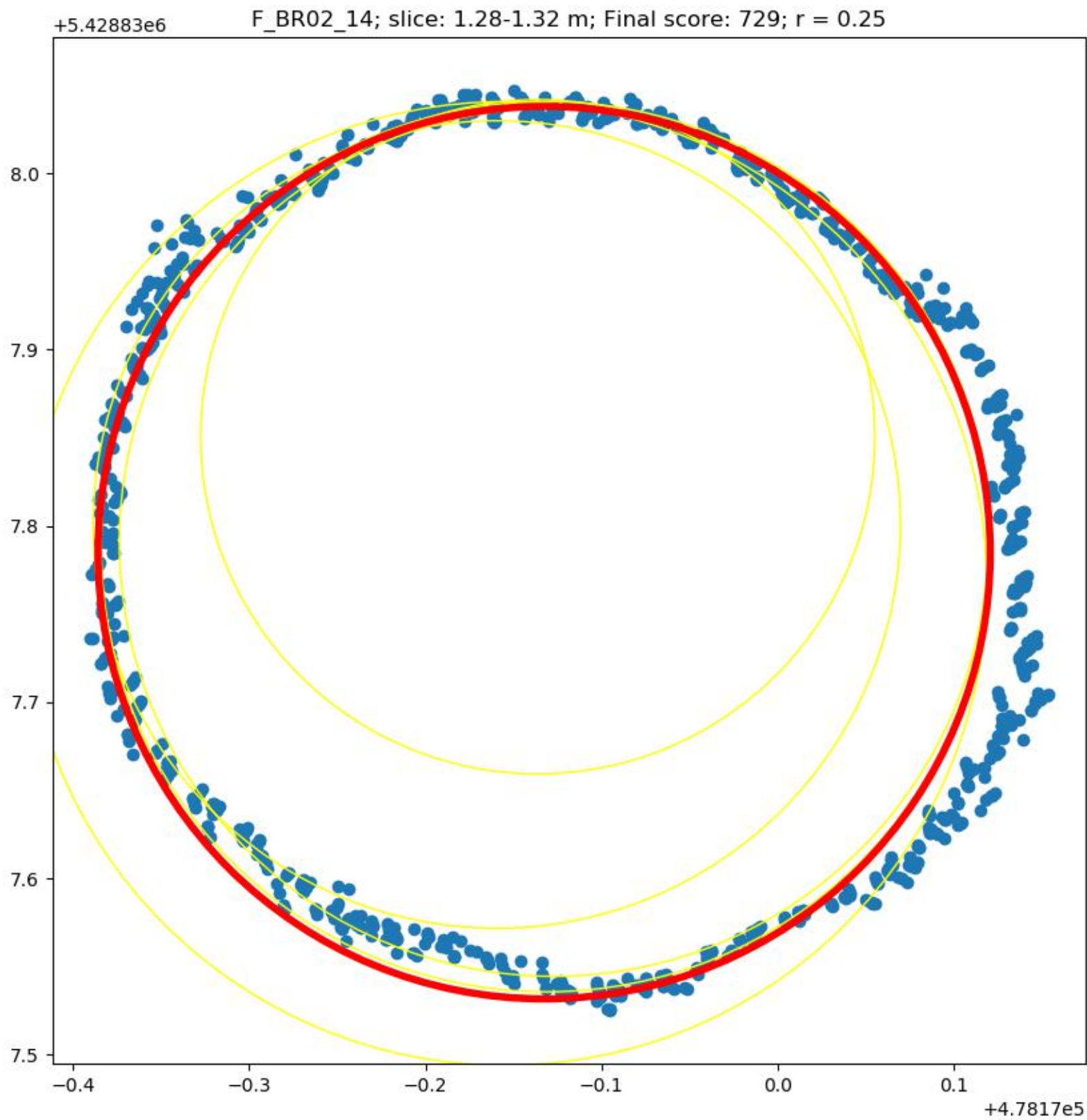
PicAbi_BR02_12

+5.428845e6

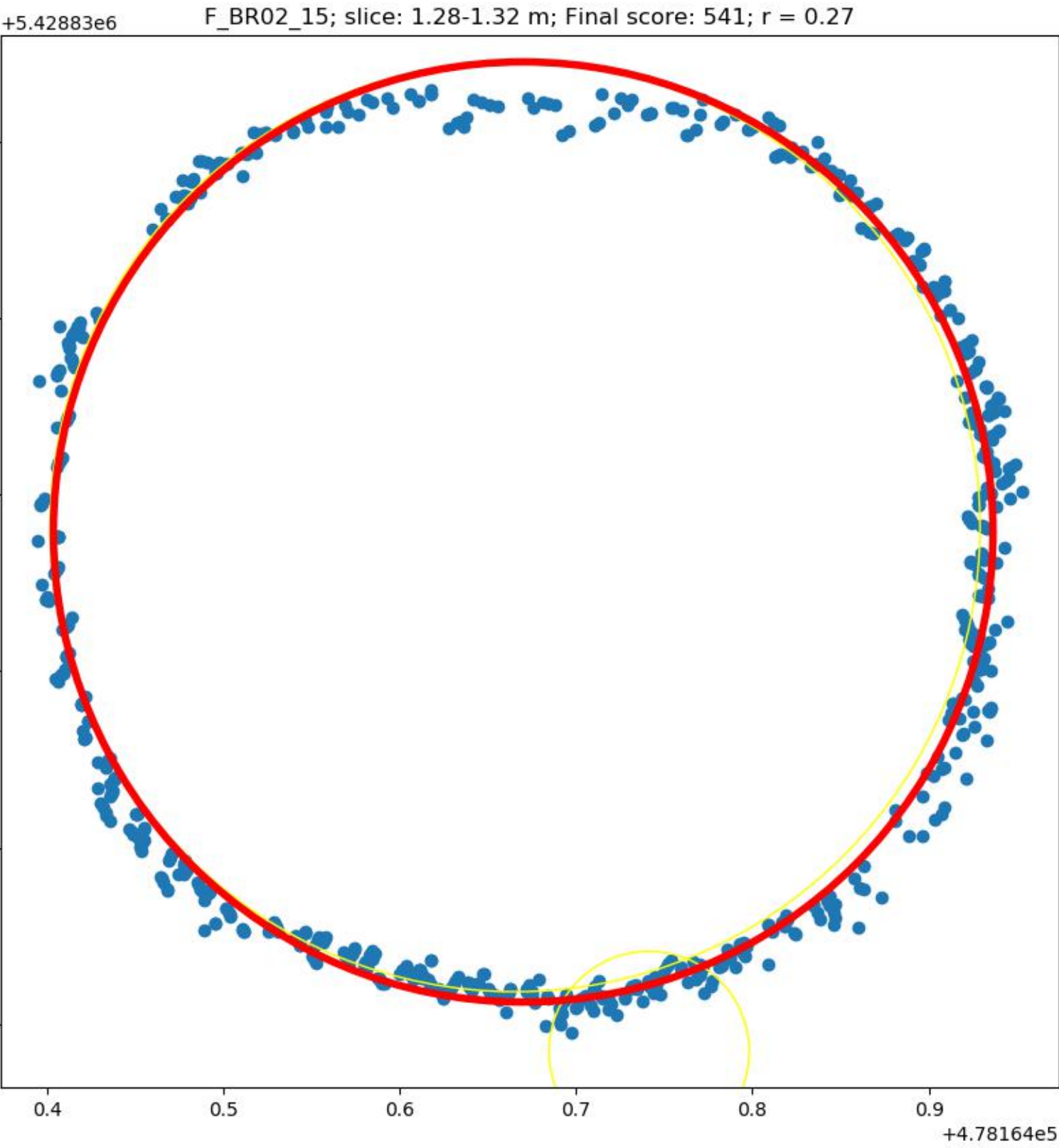
F_BR02_12; slice: 1.28-1.32 m; Final score: 1302; $r = 0.29$



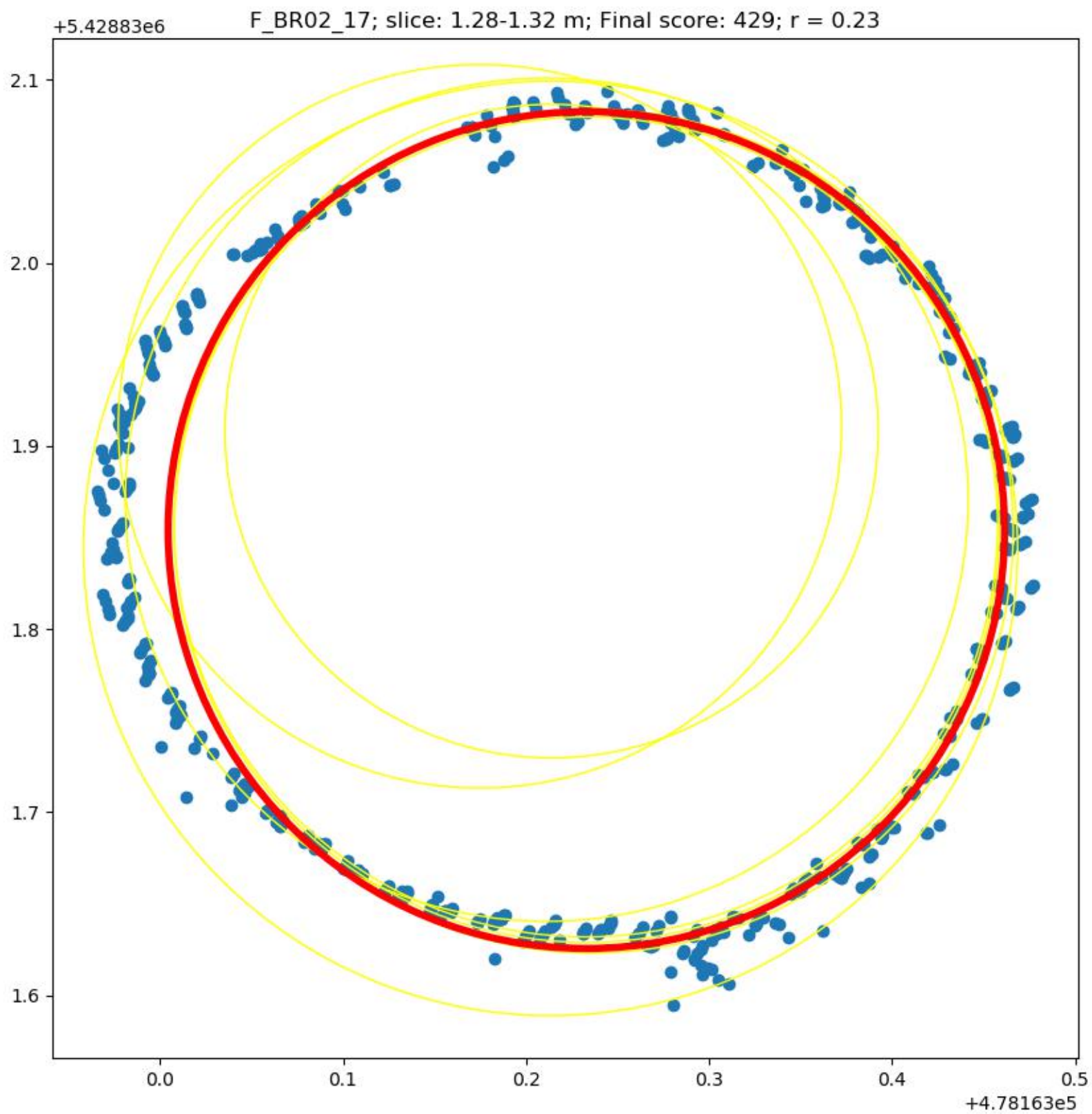
PicAbi_BR02_14



PicAbi_BR02_15

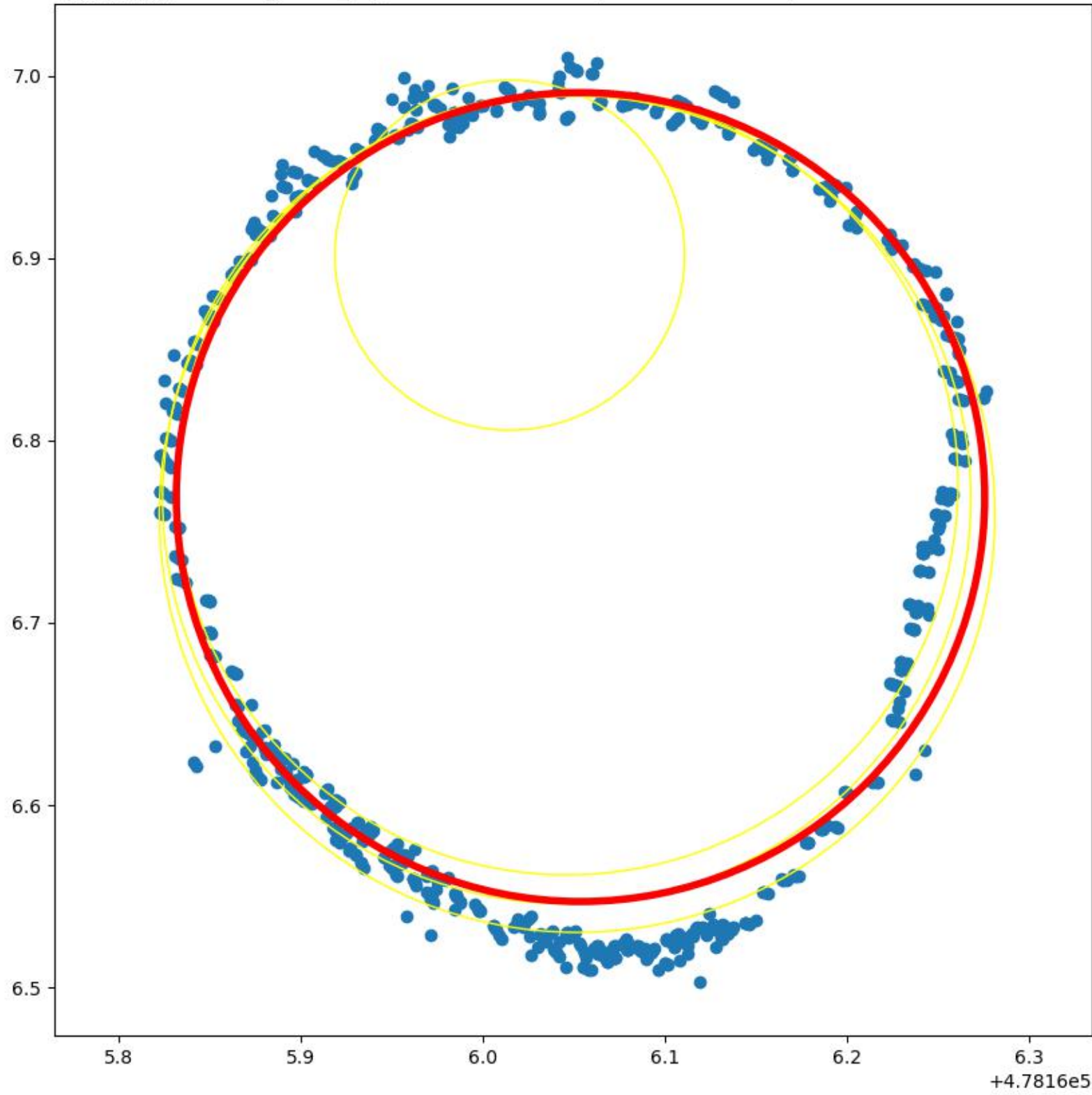


PicAbi_BR02_17

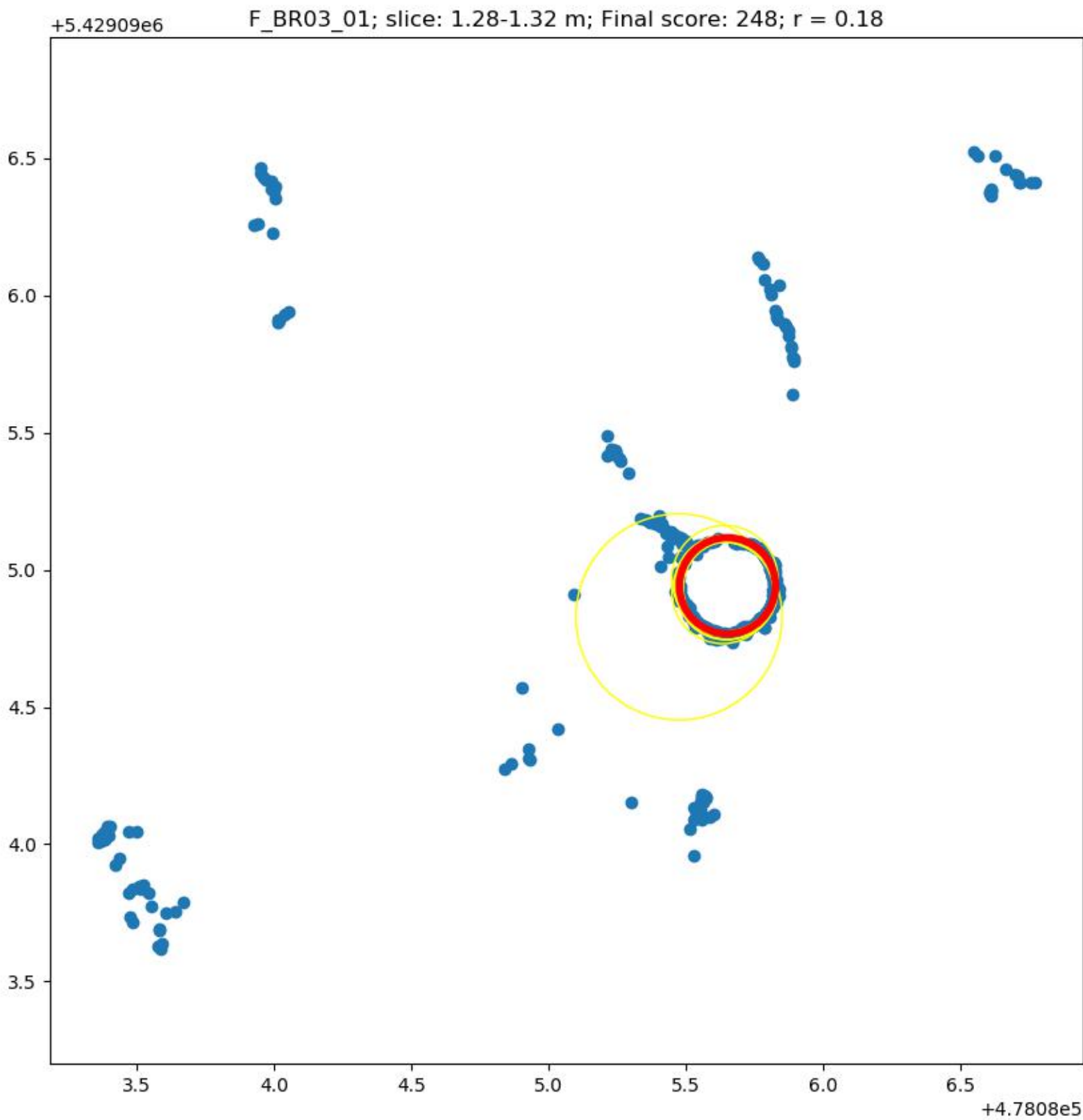


PicAbi_BR02_18

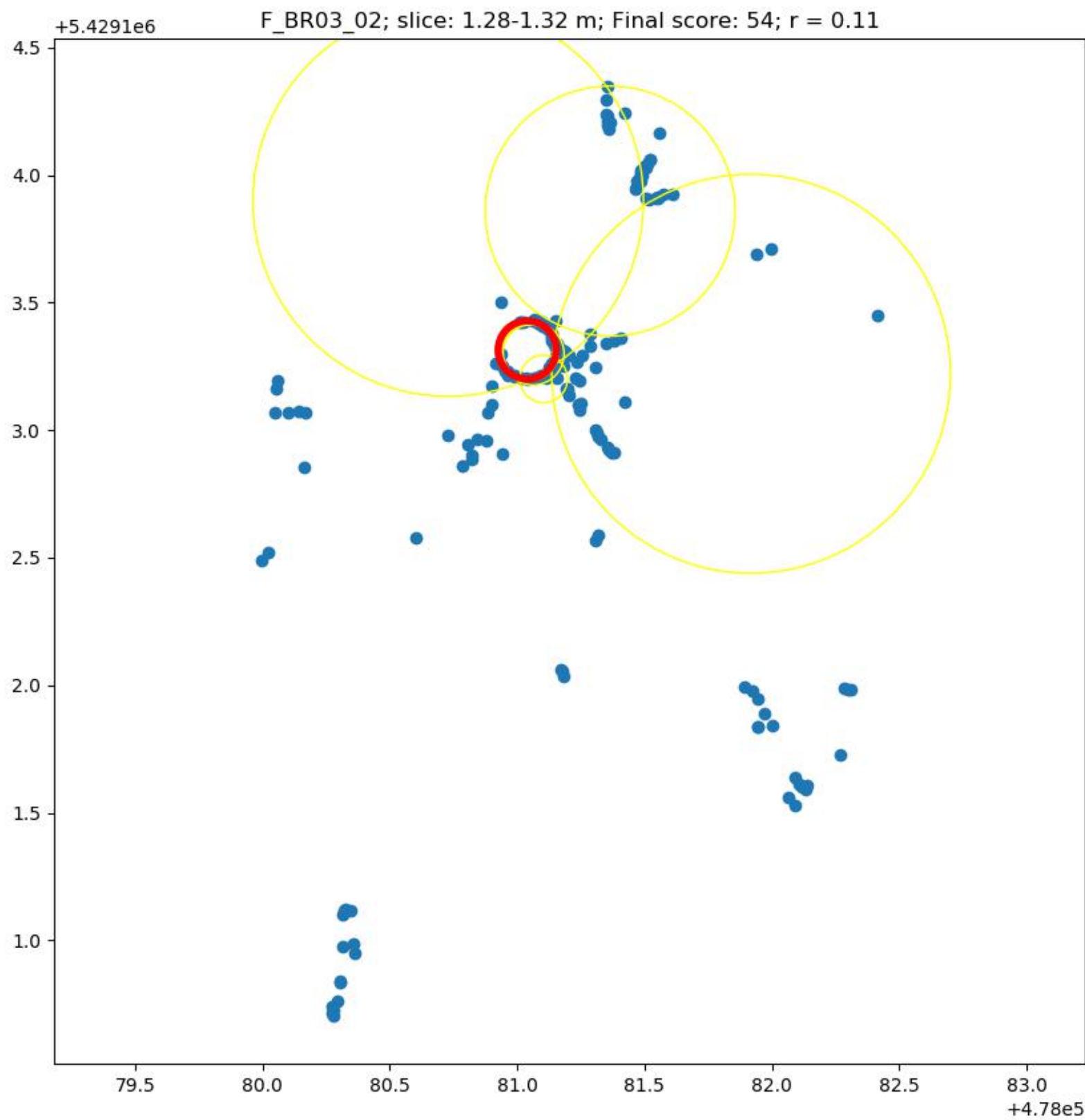
+5.42882e6 F_BR02_18; slice: 1.28-1.32 m; Final score: 469; r = 0.22



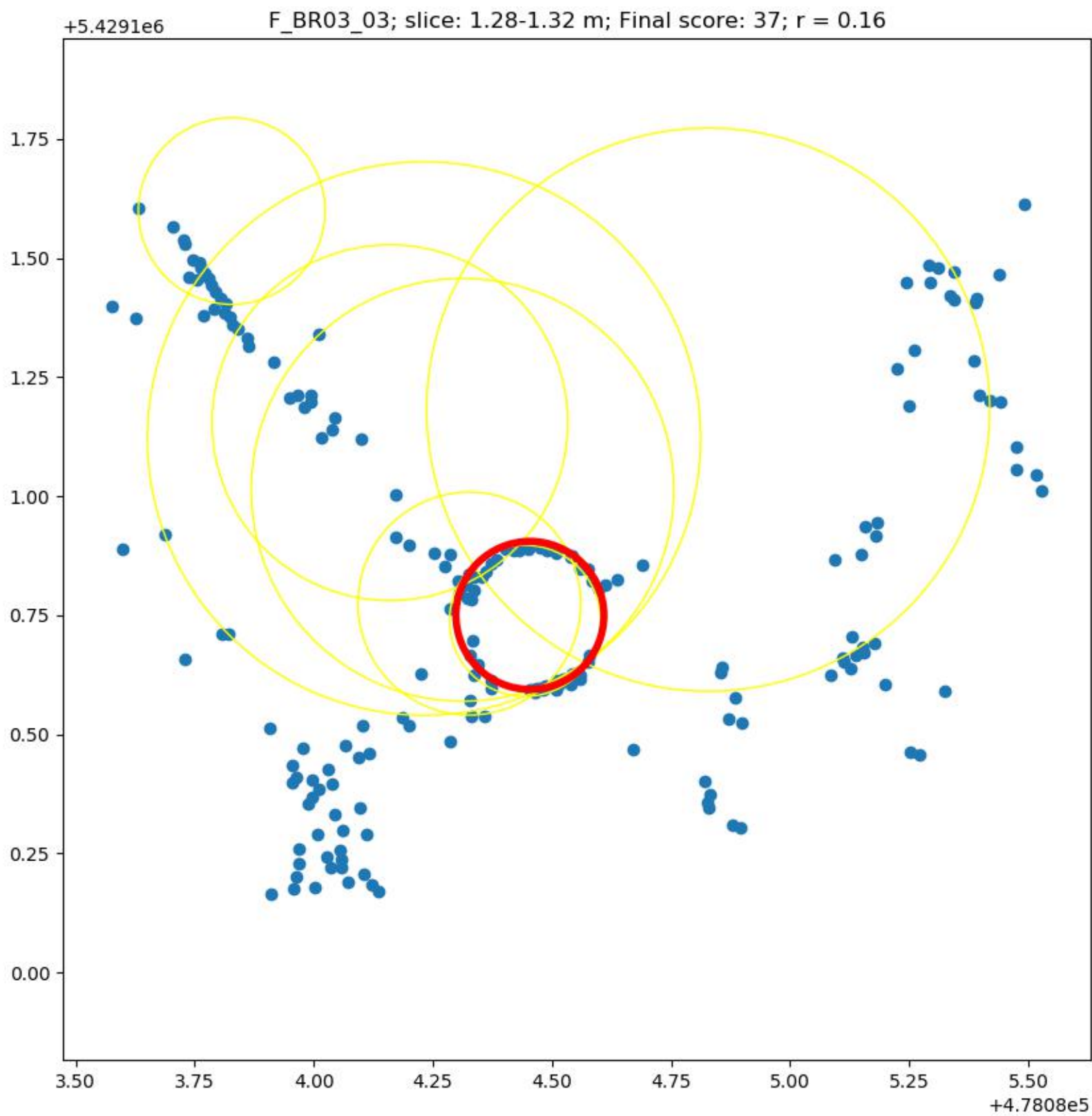
PicAbi_BR03_01



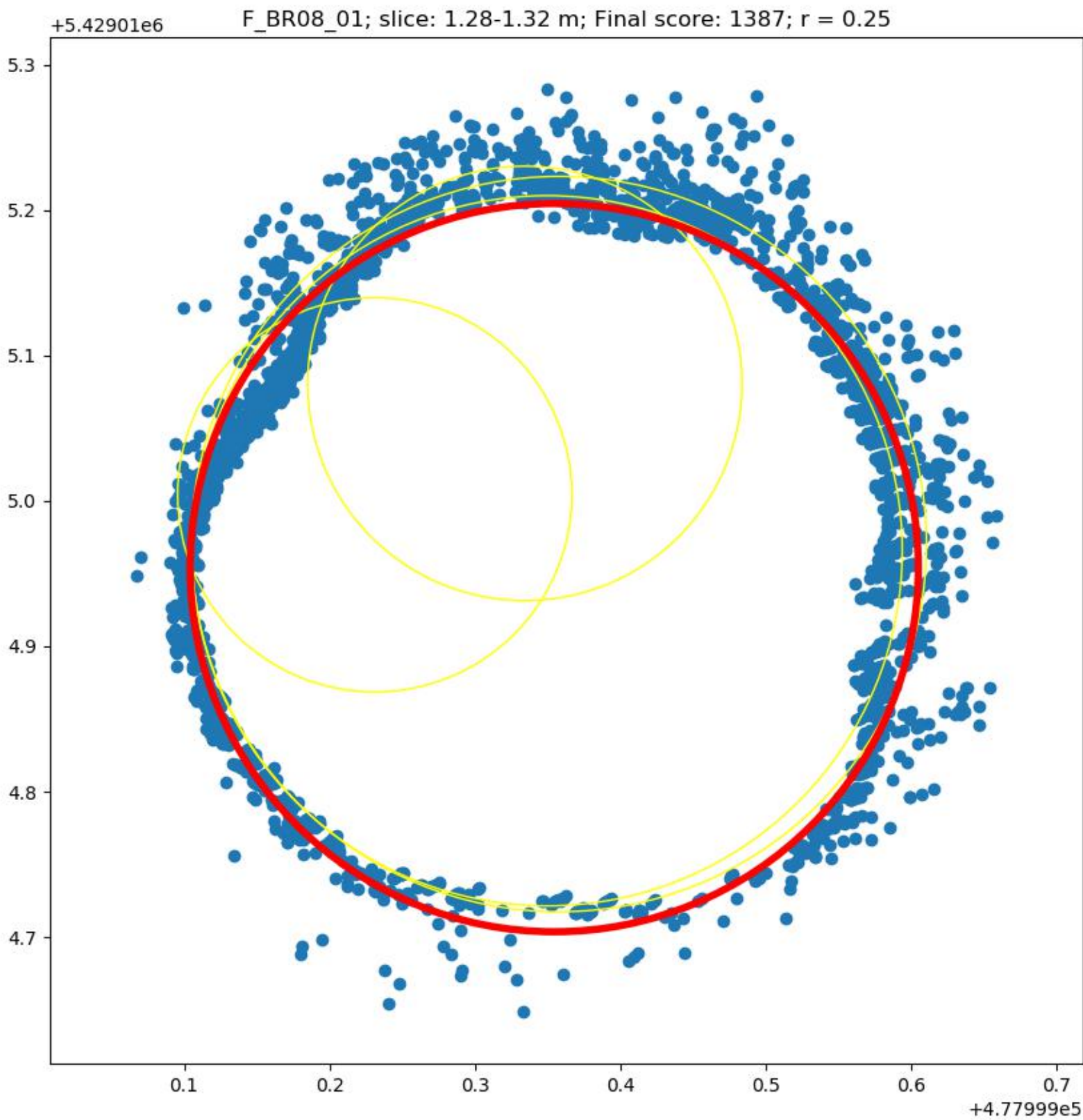
PicAbi_BR03_02



PicAbi_BR03_03

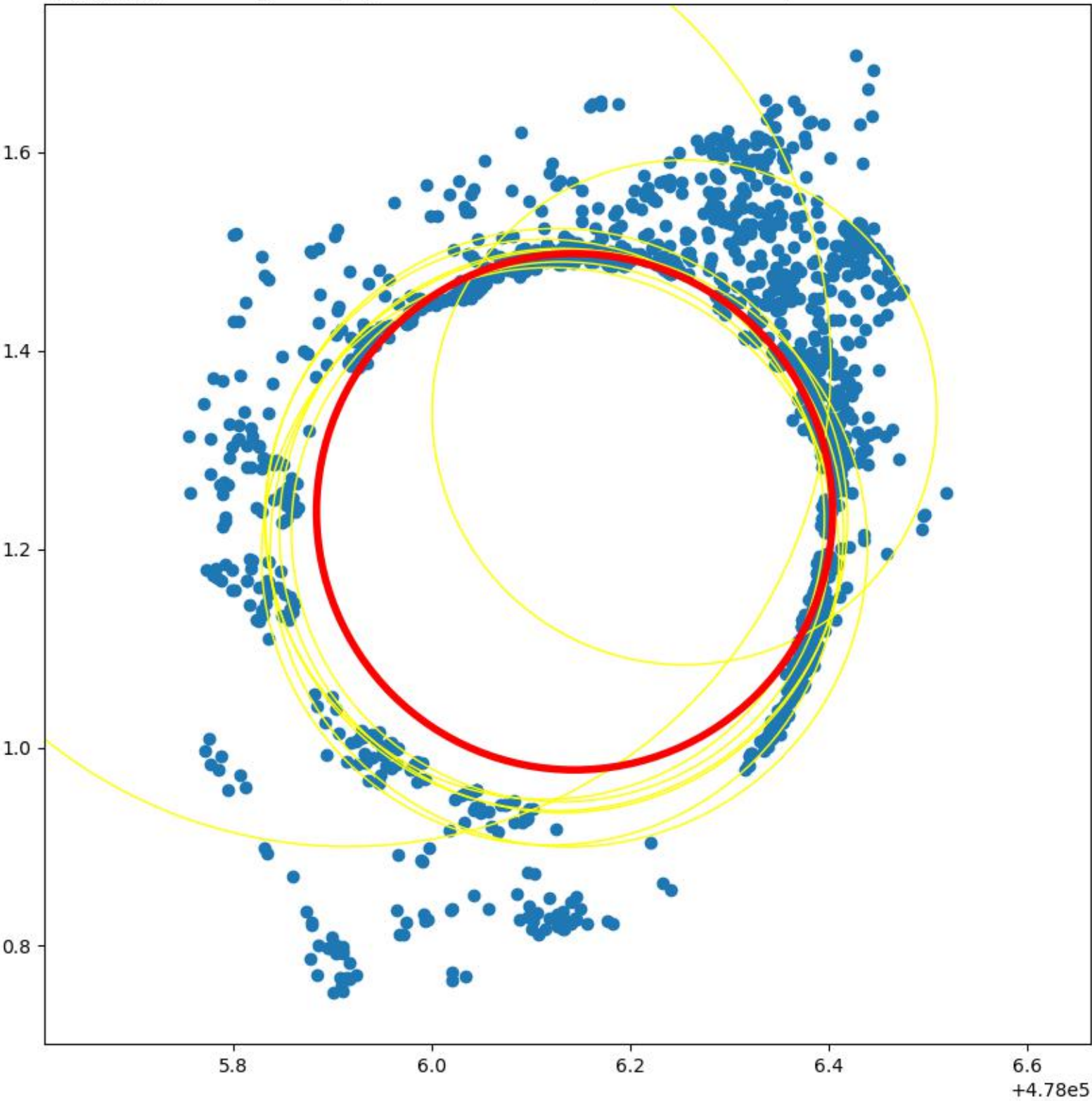


PicAbi_BR08_01

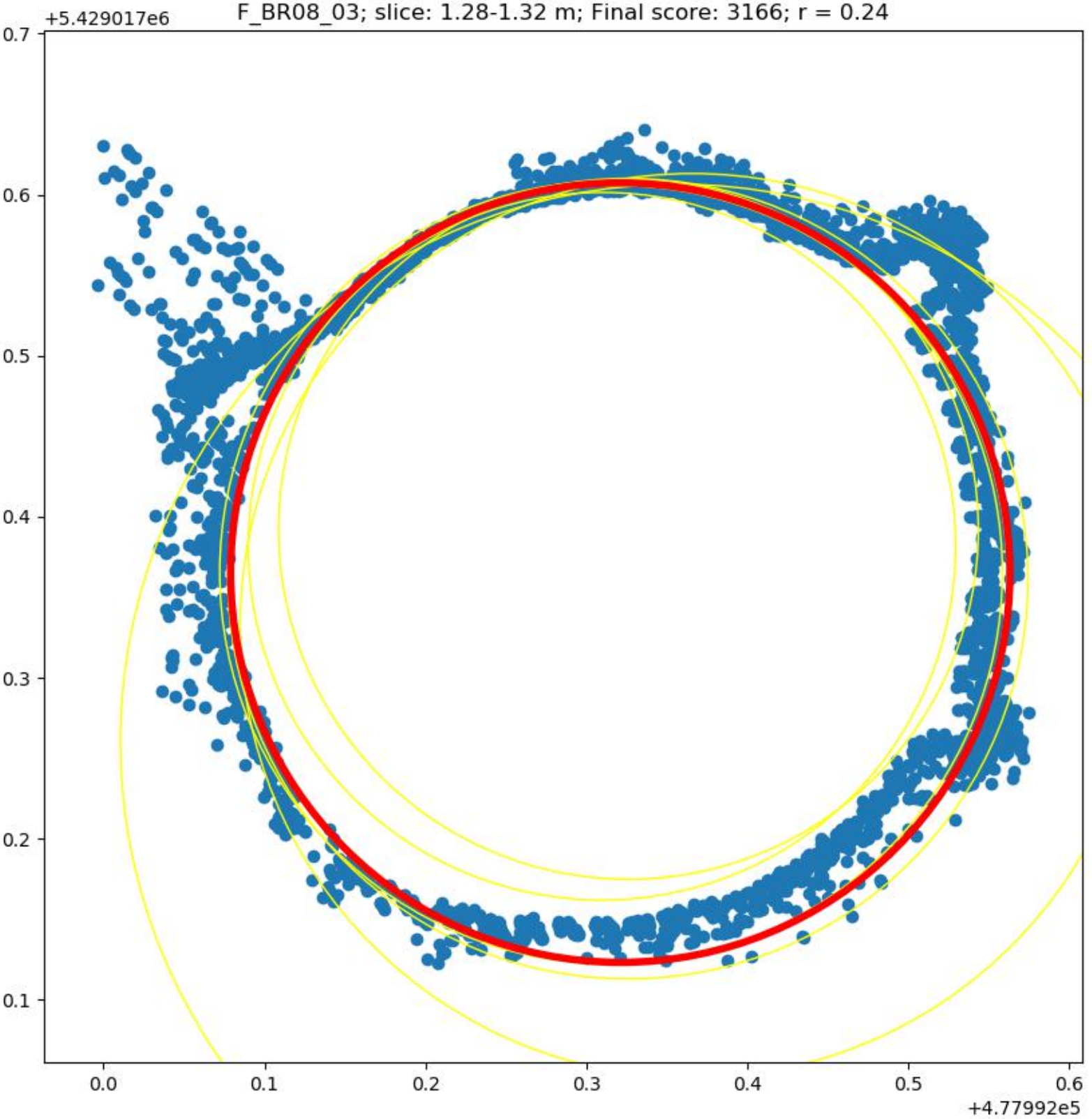


PicAbi_BR08_02

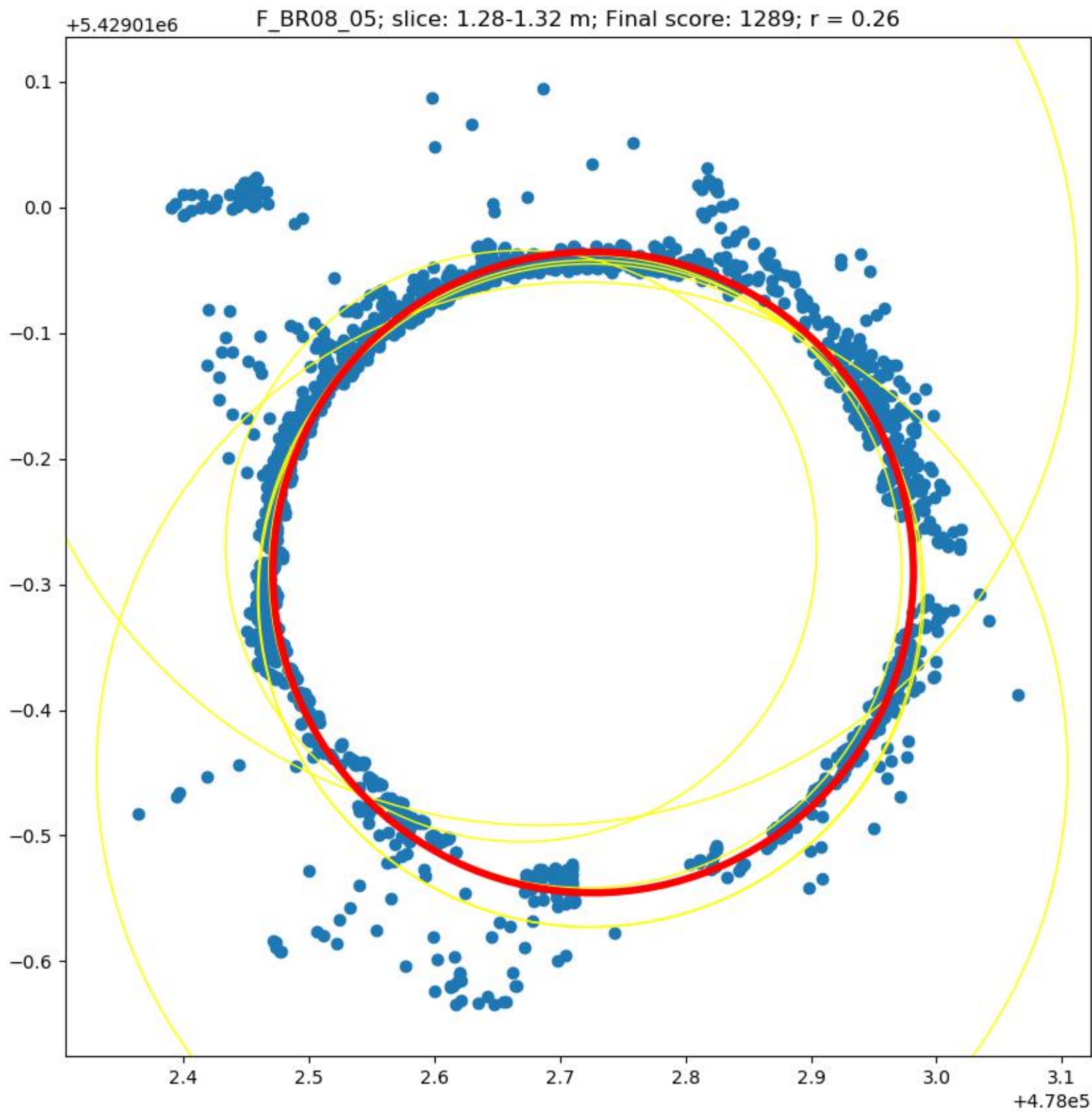
+5.42901e6 F_BR08_02; slice: 1.28-1.32 m; Final score: 499; r = 0.26



PicAbi_BR08_03



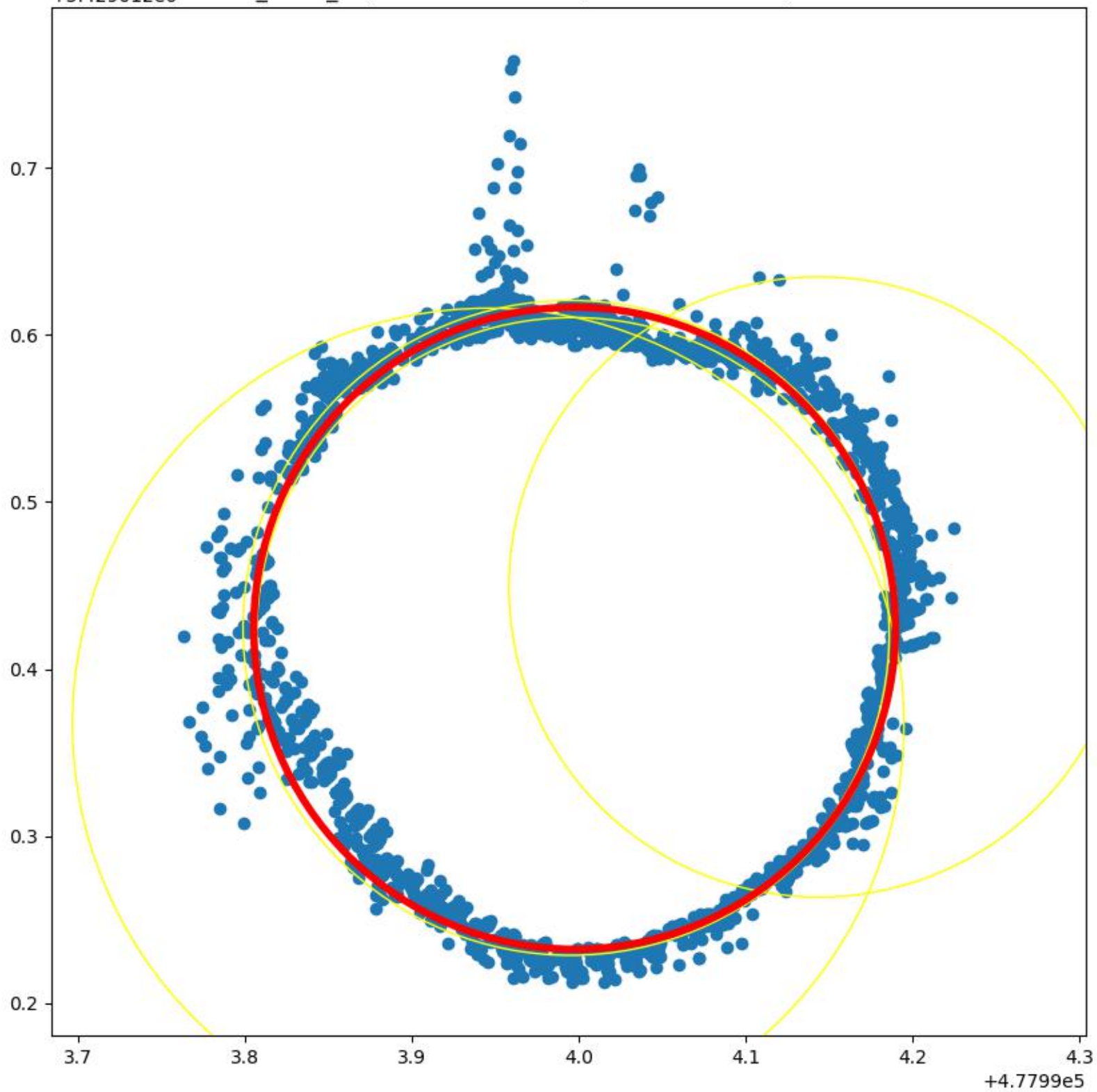
PicAbi_BR08_05



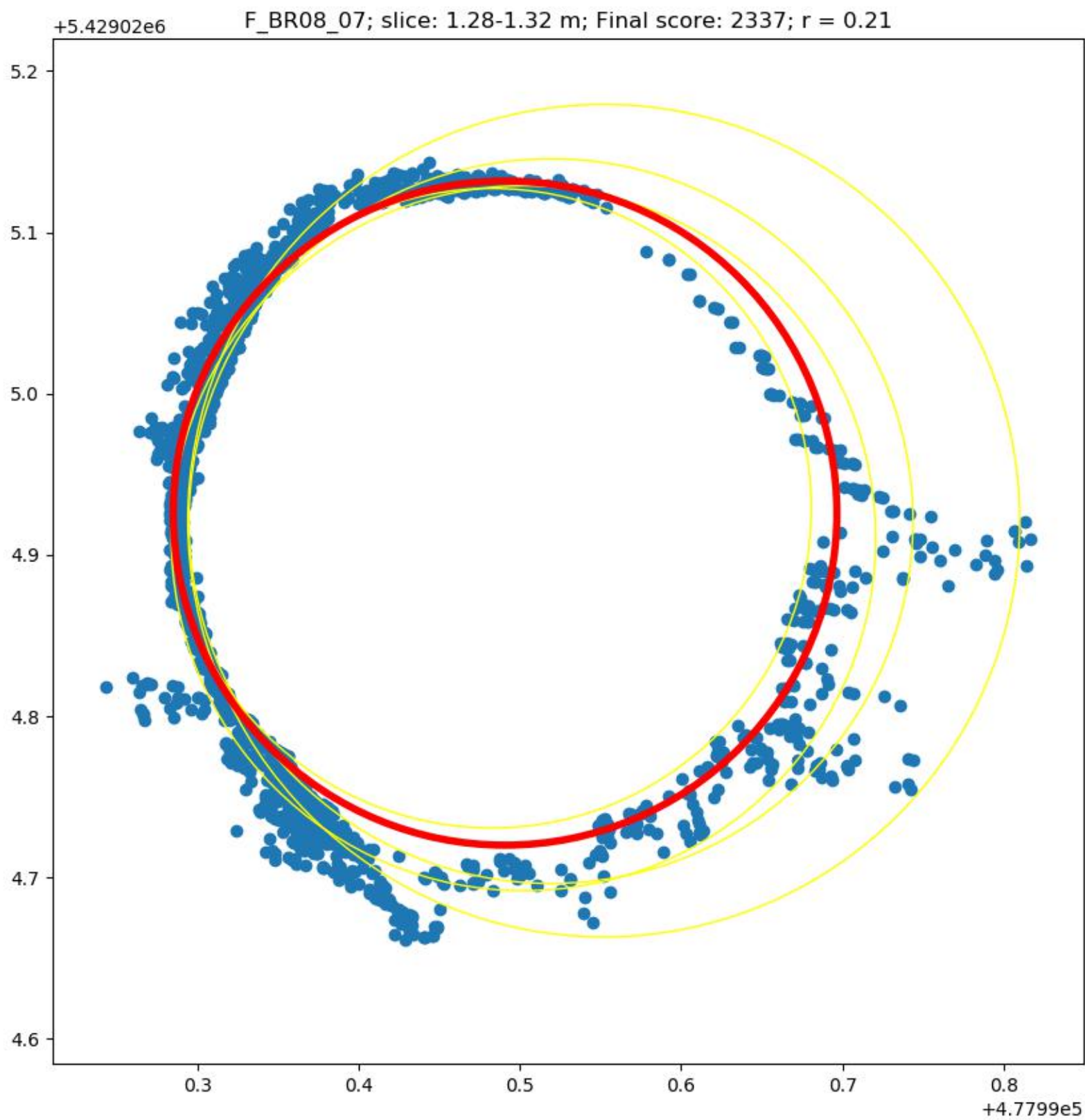
PicAbi_BR08_06

+5.429012e6

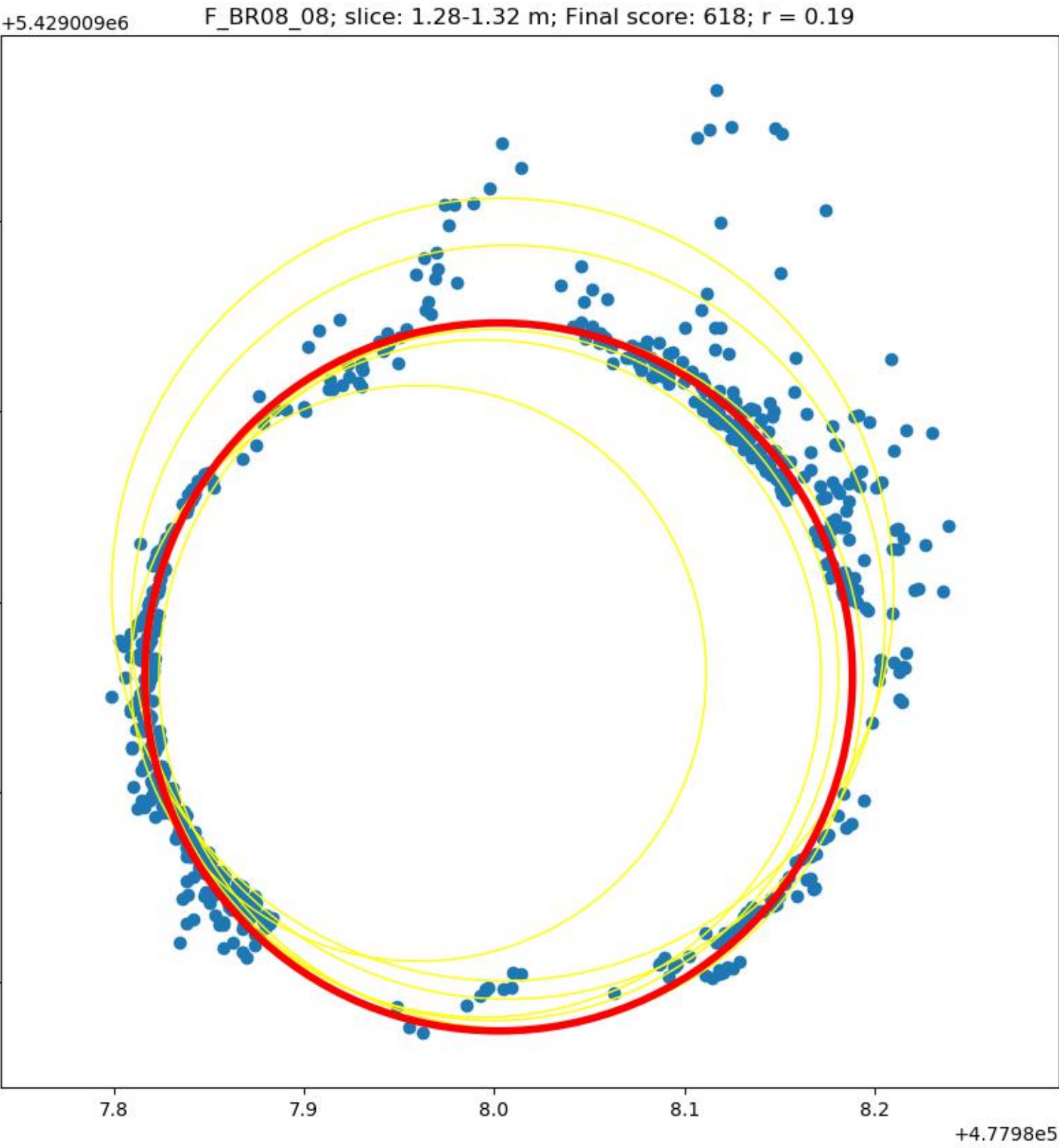
F_BR08_06; slice: 1.28-1.32 m; Final score: 1719; $r = 0.19$



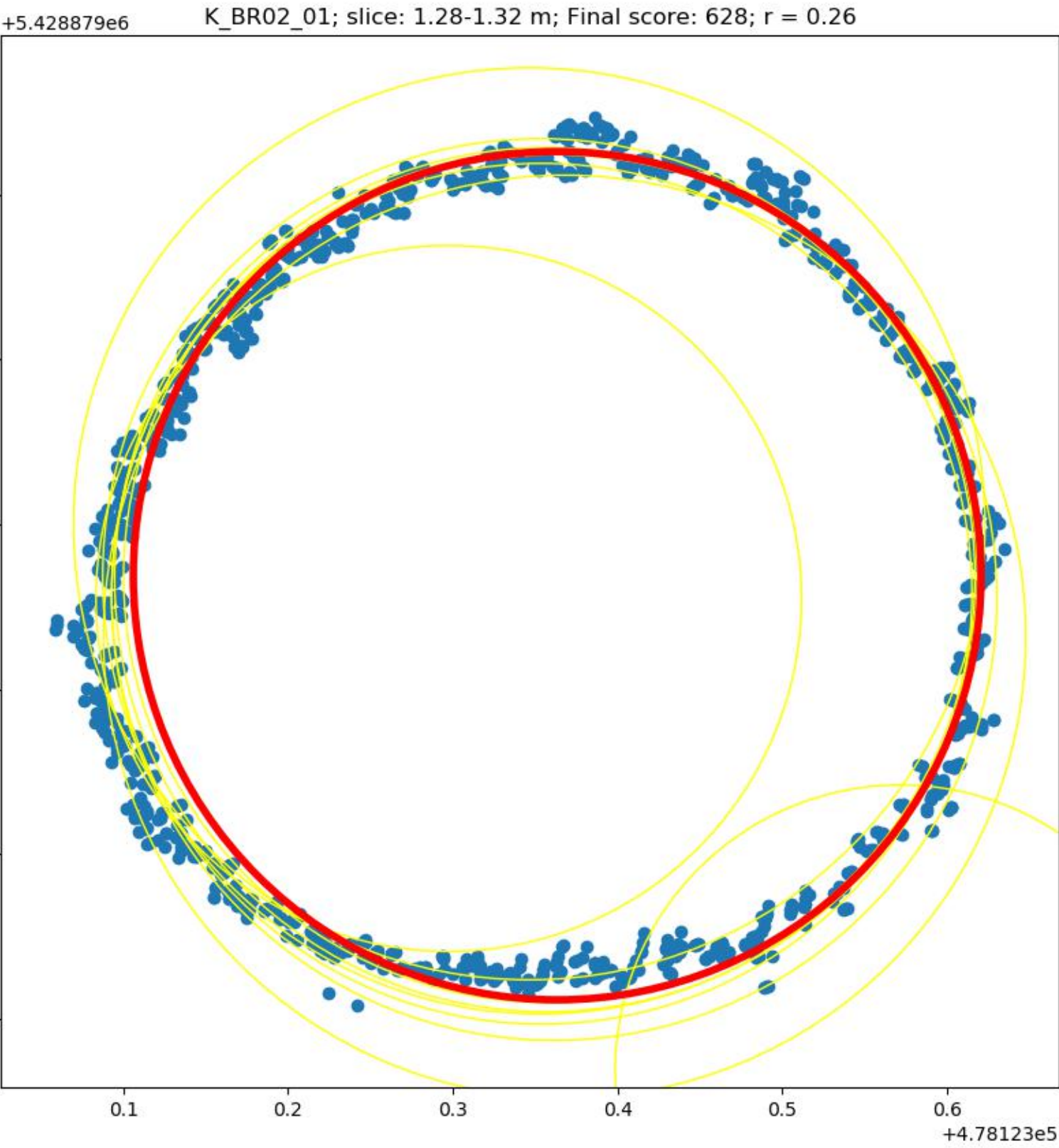
PicAbi_BR08_07



PicAbi_BR08_08



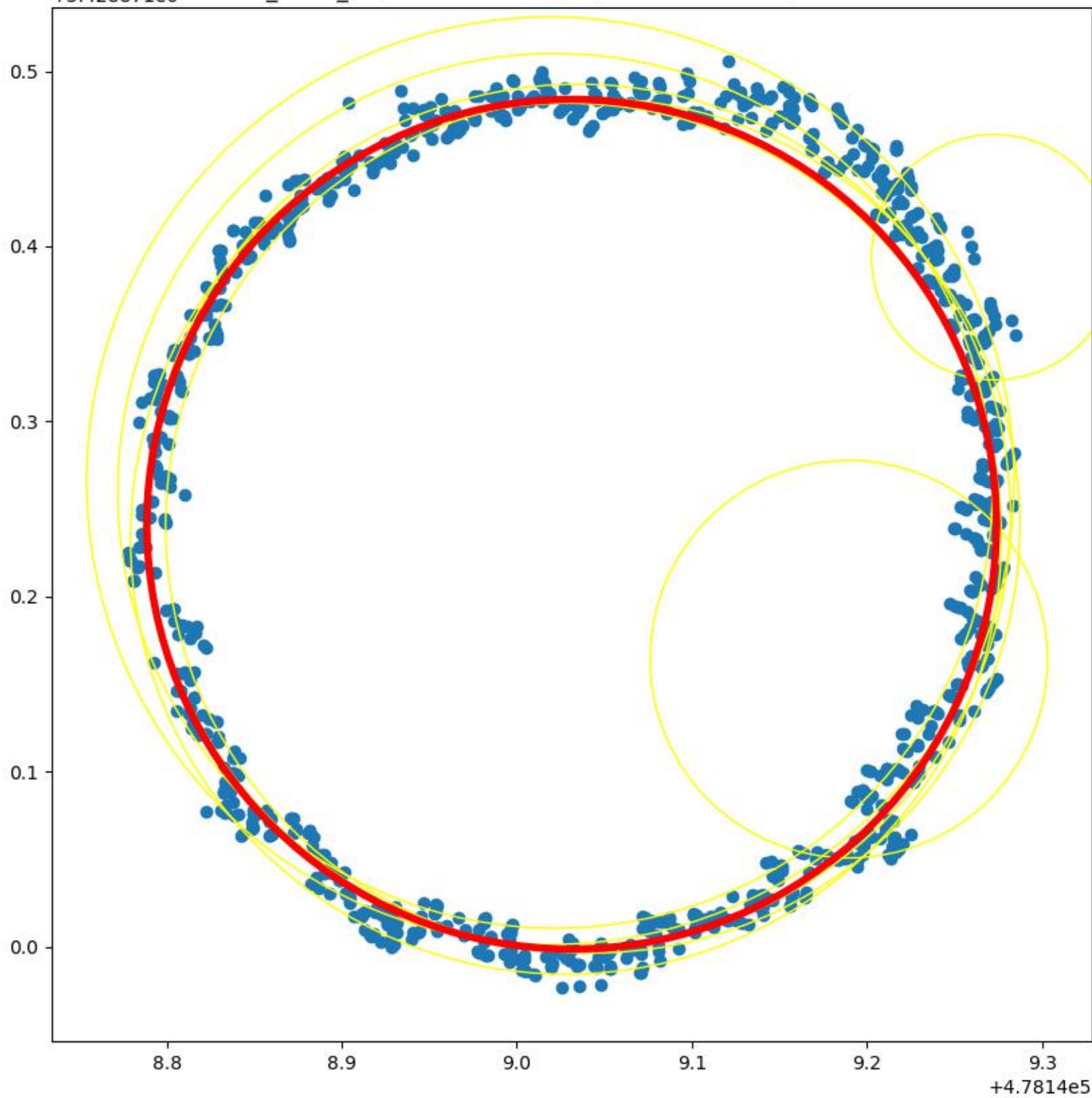
PinSyl_BR02_01



PinSyl_BR02_02

+5.428871e6

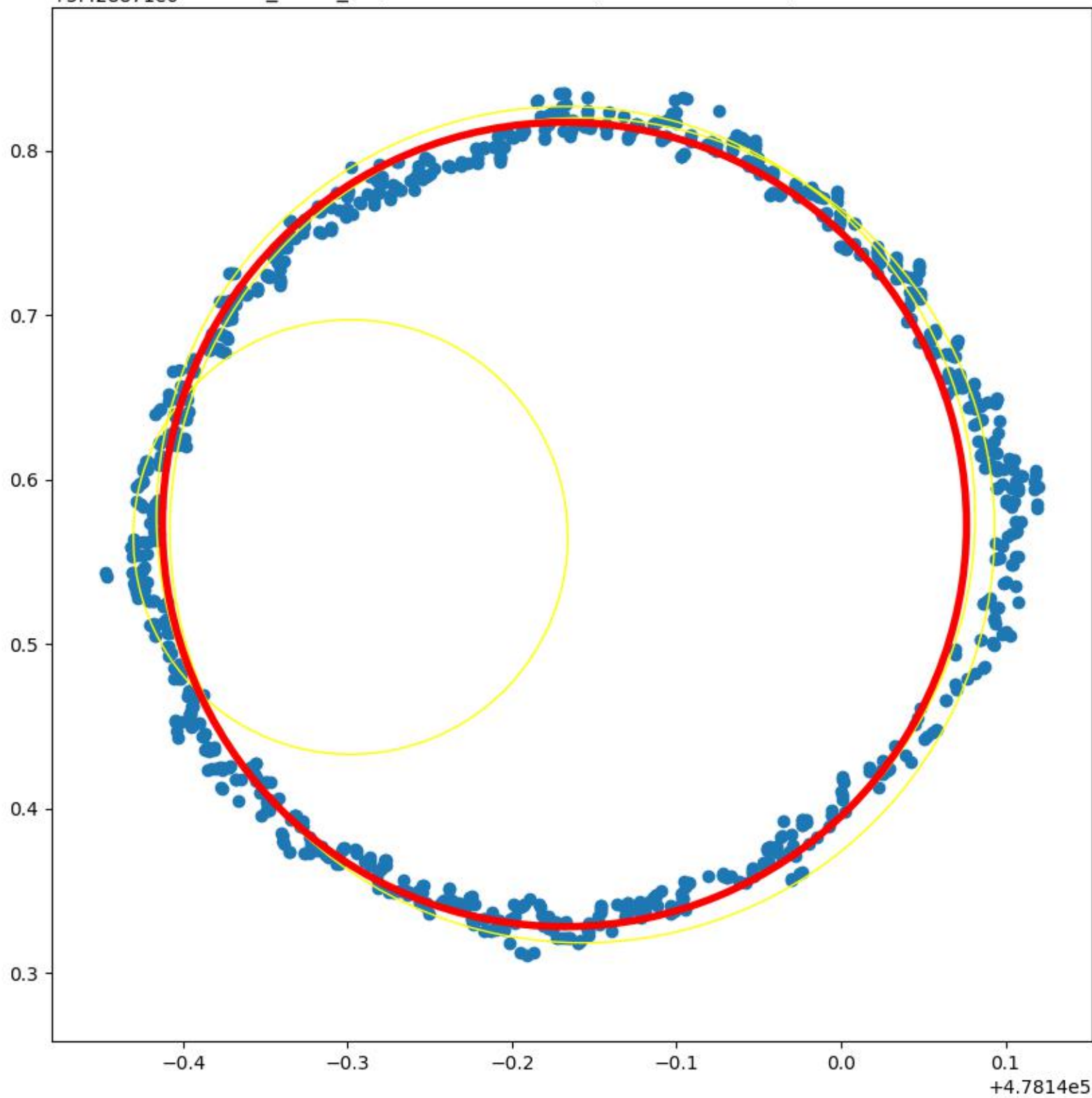
K_BR02_02; slice: 1.28-1.32 m; Final score: 657; $r = 0.24$



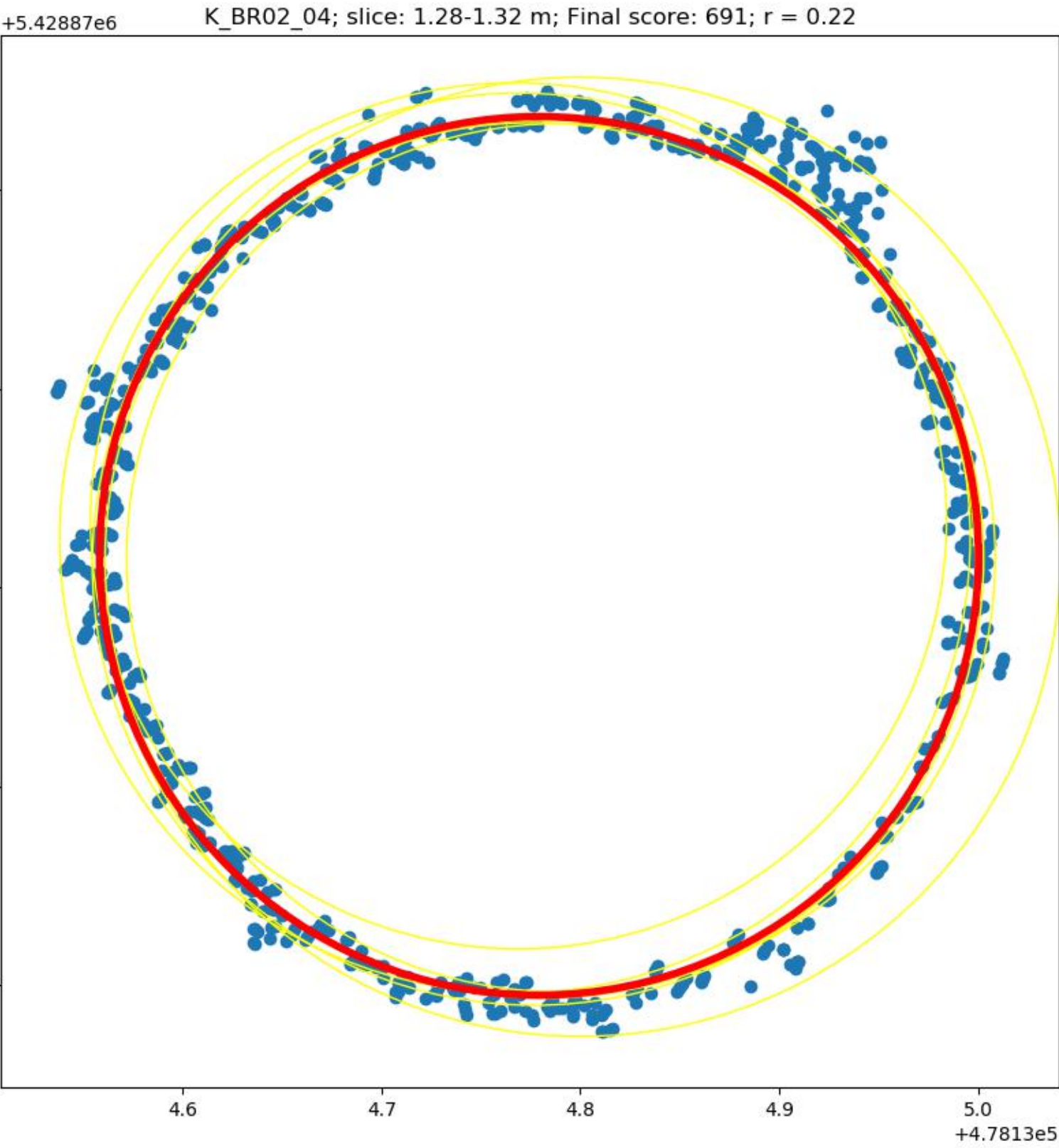
PinSyl_BR02_03

+5.428871e6

K_BR02_03; slice: 1.28-1.32 m; Final score: 595; $r = 0.24$



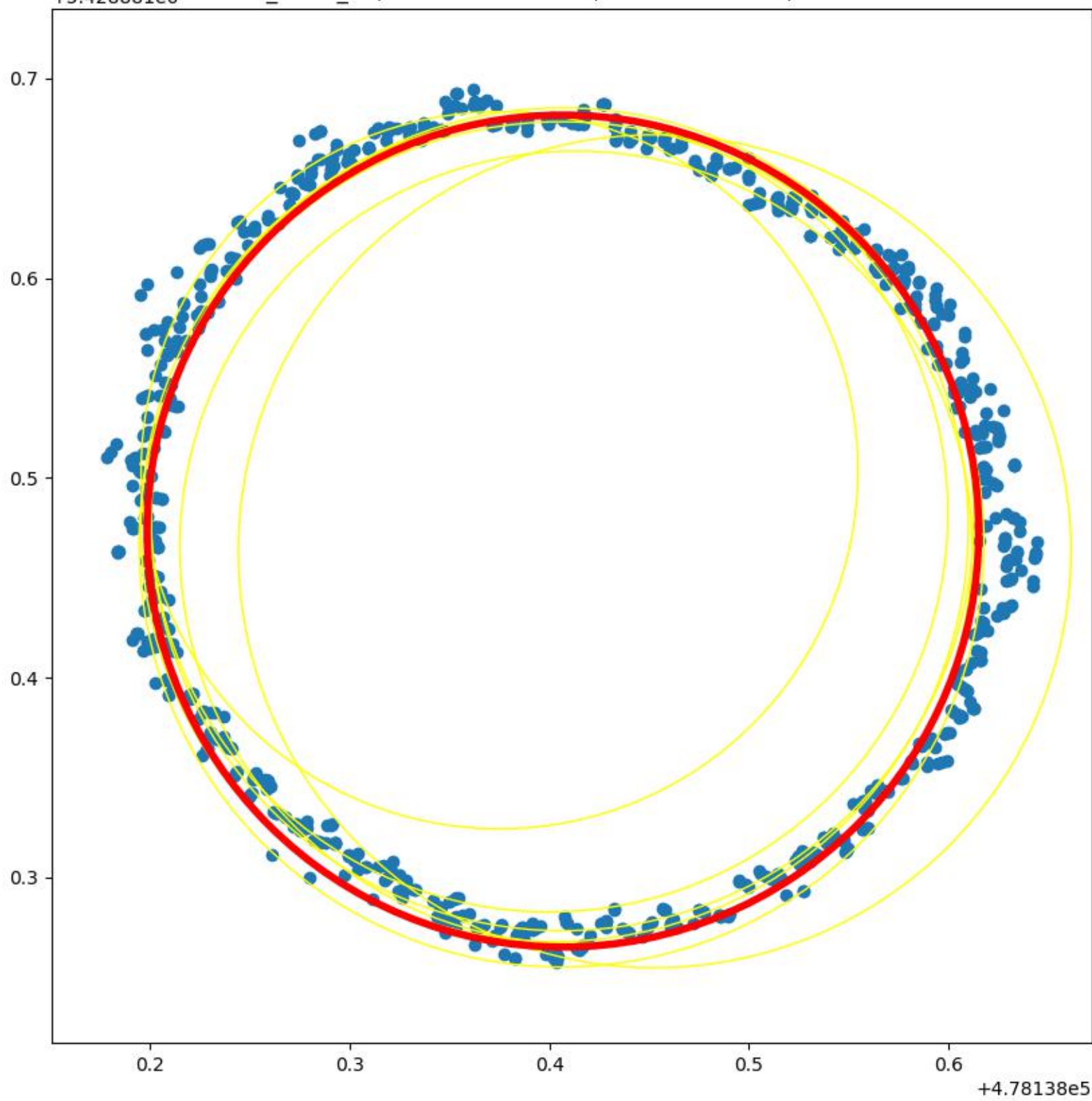
PinSyl_BR02_04



PinSyl_BR02_05

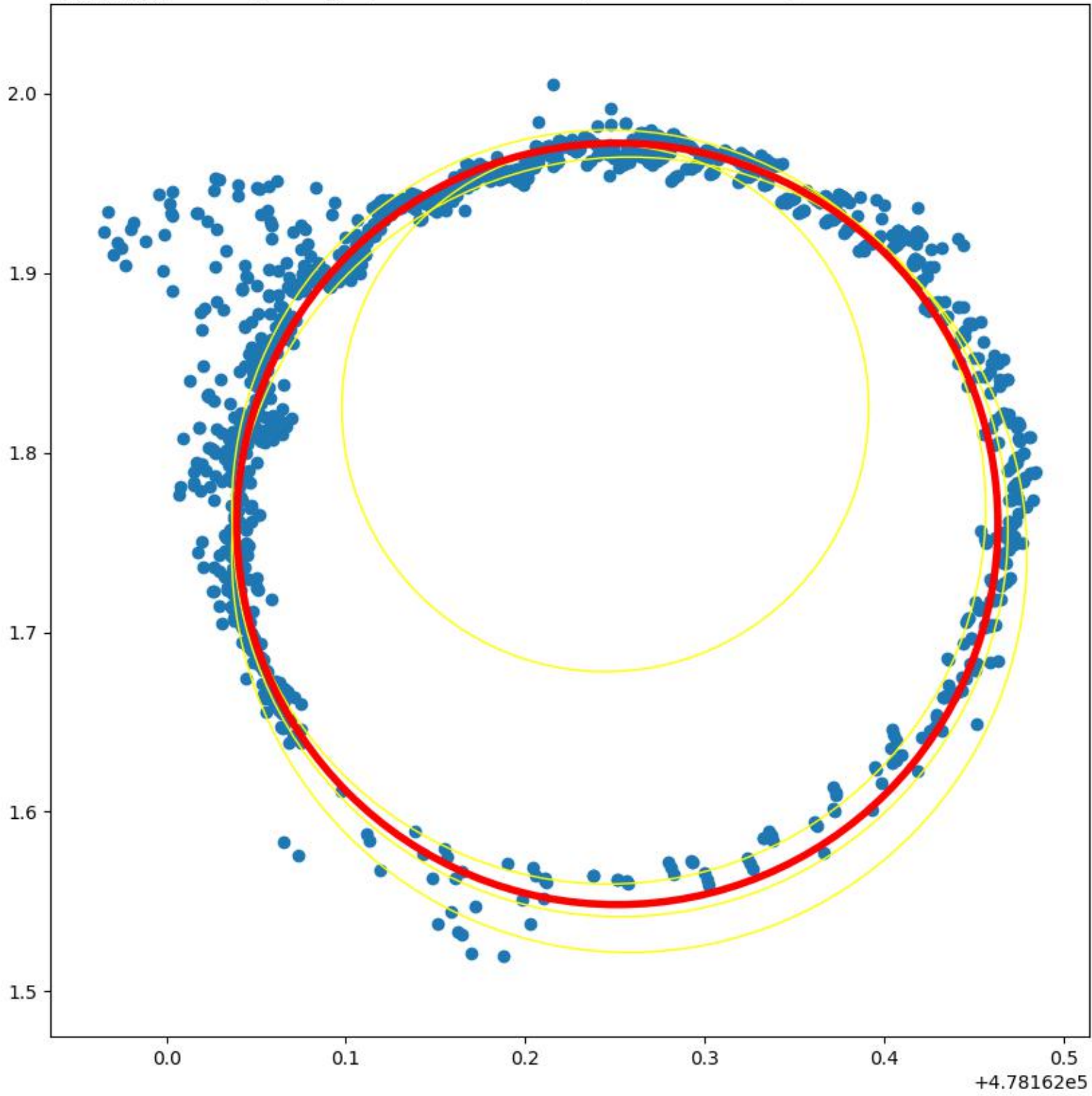
+5.428881e6

K_BR02_05; slice: 1.28-1.32 m; Final score: 573; $r = 0.21$



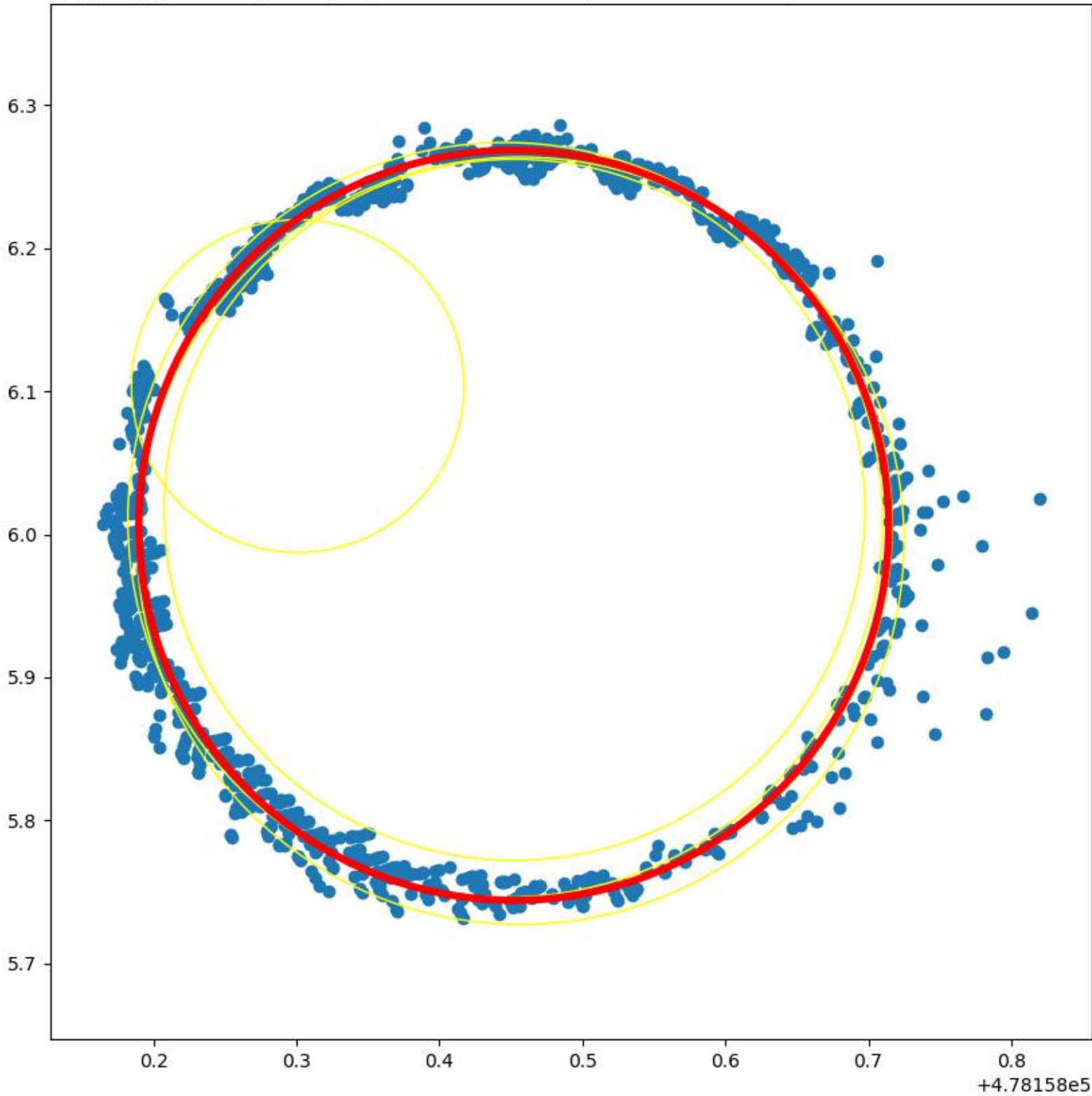
PinSyl_BR02_06

+5.42885e6 K_BR02_06; slice: 1.28-1.32 m; Final score: 1246; $r = 0.21$



PinSyl_BR02_07

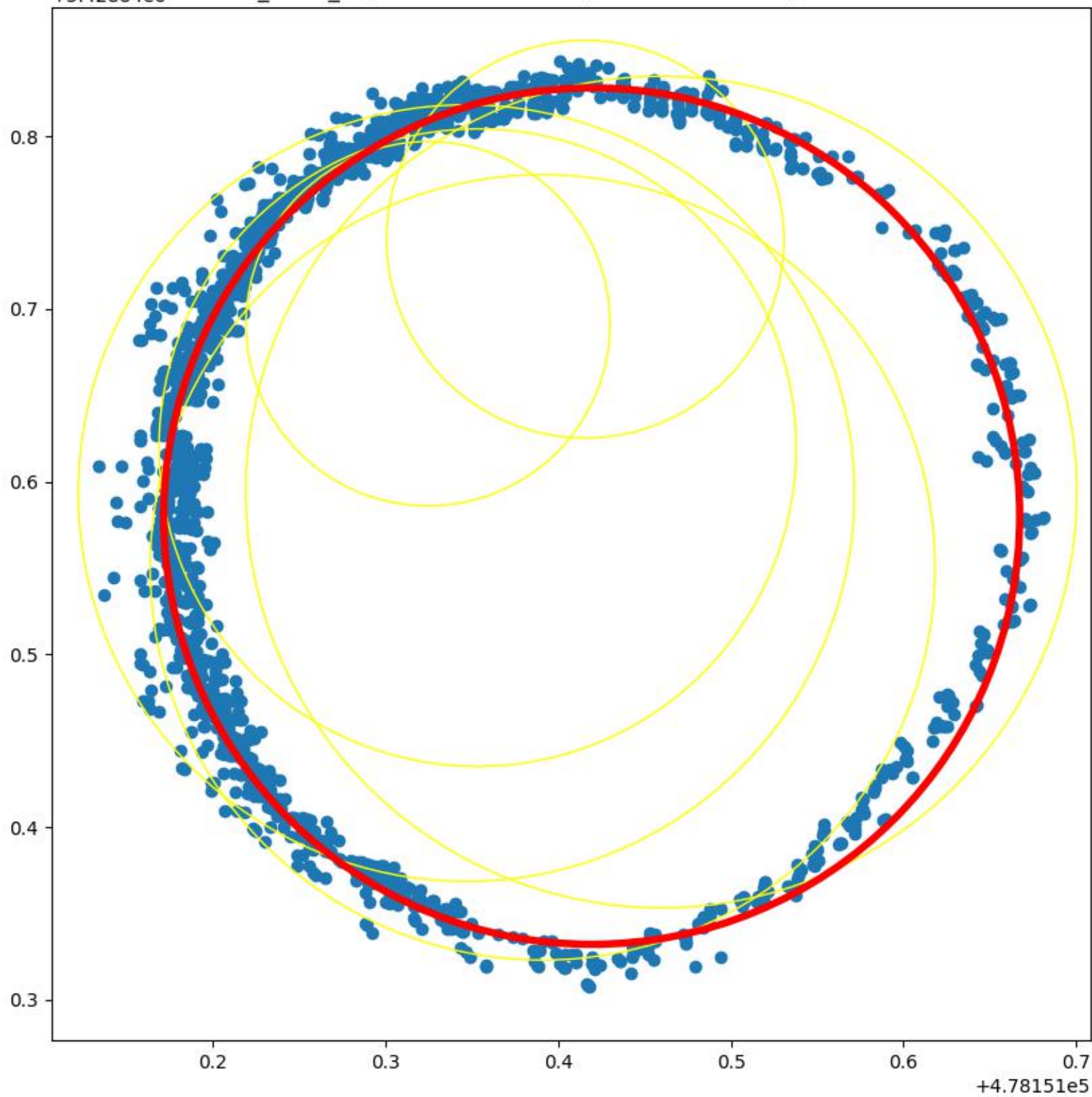
+5.42884e6 K_BR02_07; slice: 1.28-1.32 m; Final score: 1296; r = 0.26



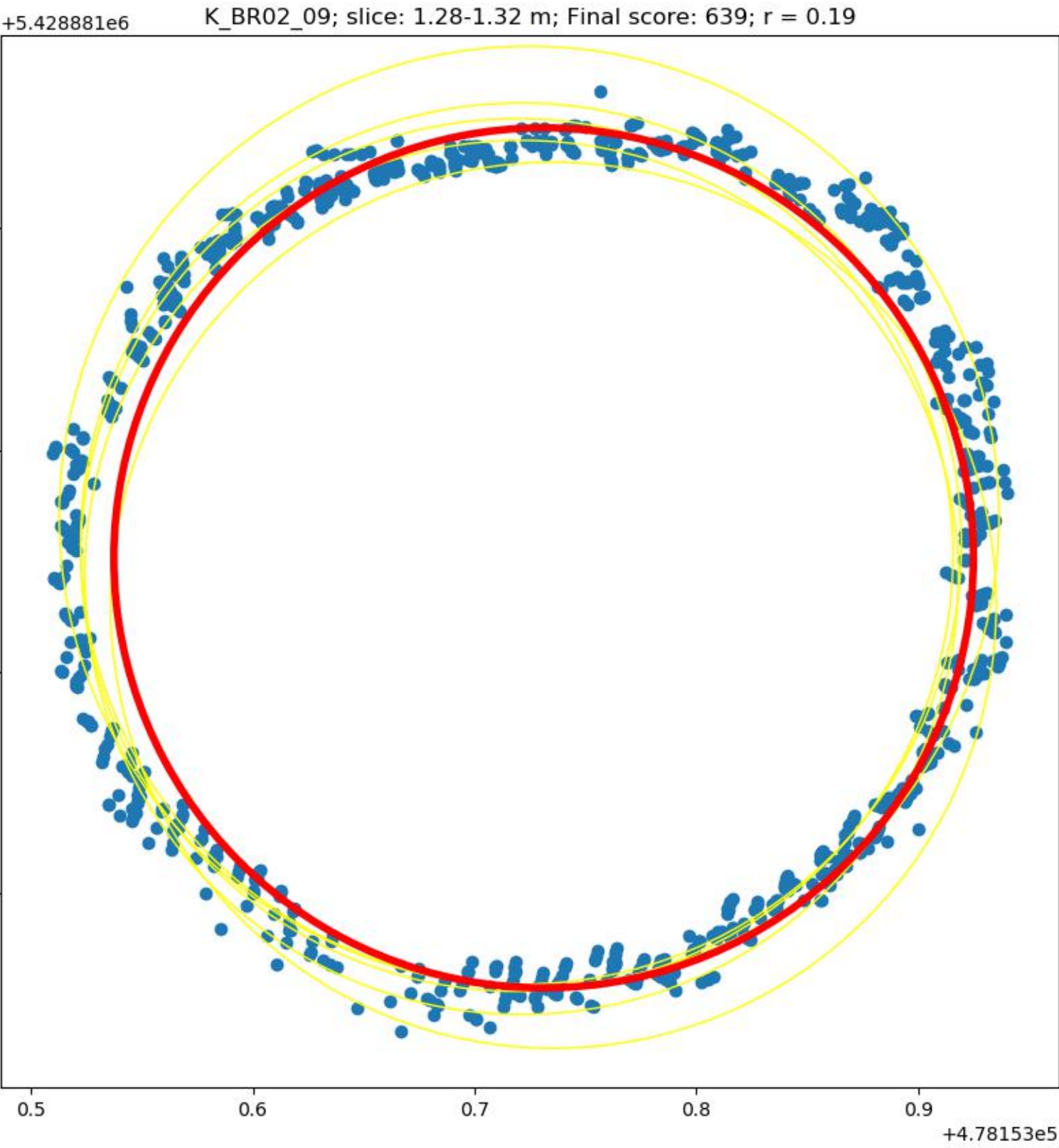
PinSyl_BR02_08

+5.42884e6

K_BR02_08; slice: 1.28-1.32 m; Final score: 1472; $r = 0.25$

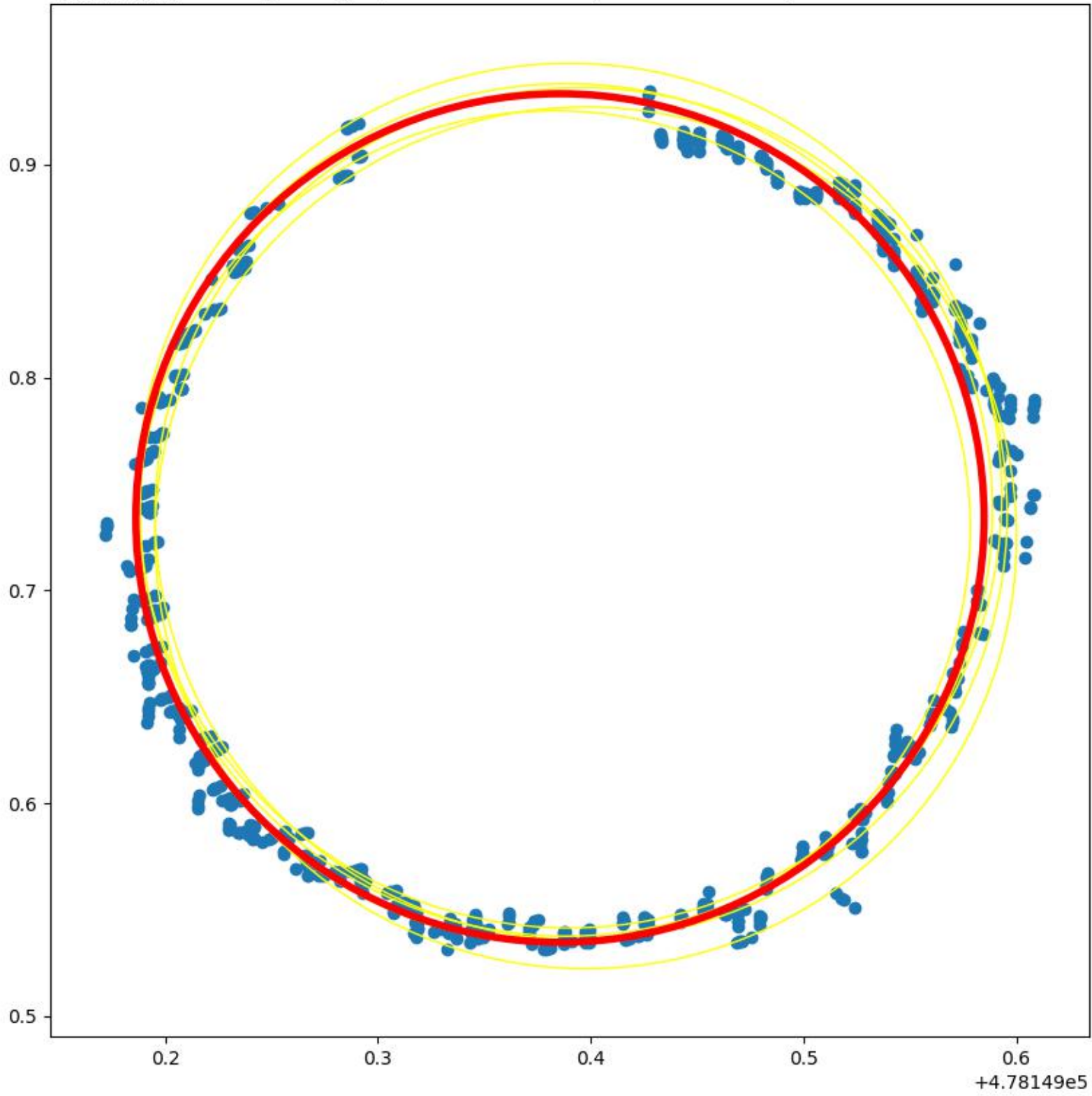


PinSyl_BR02_09



PinSyl_BR02_10

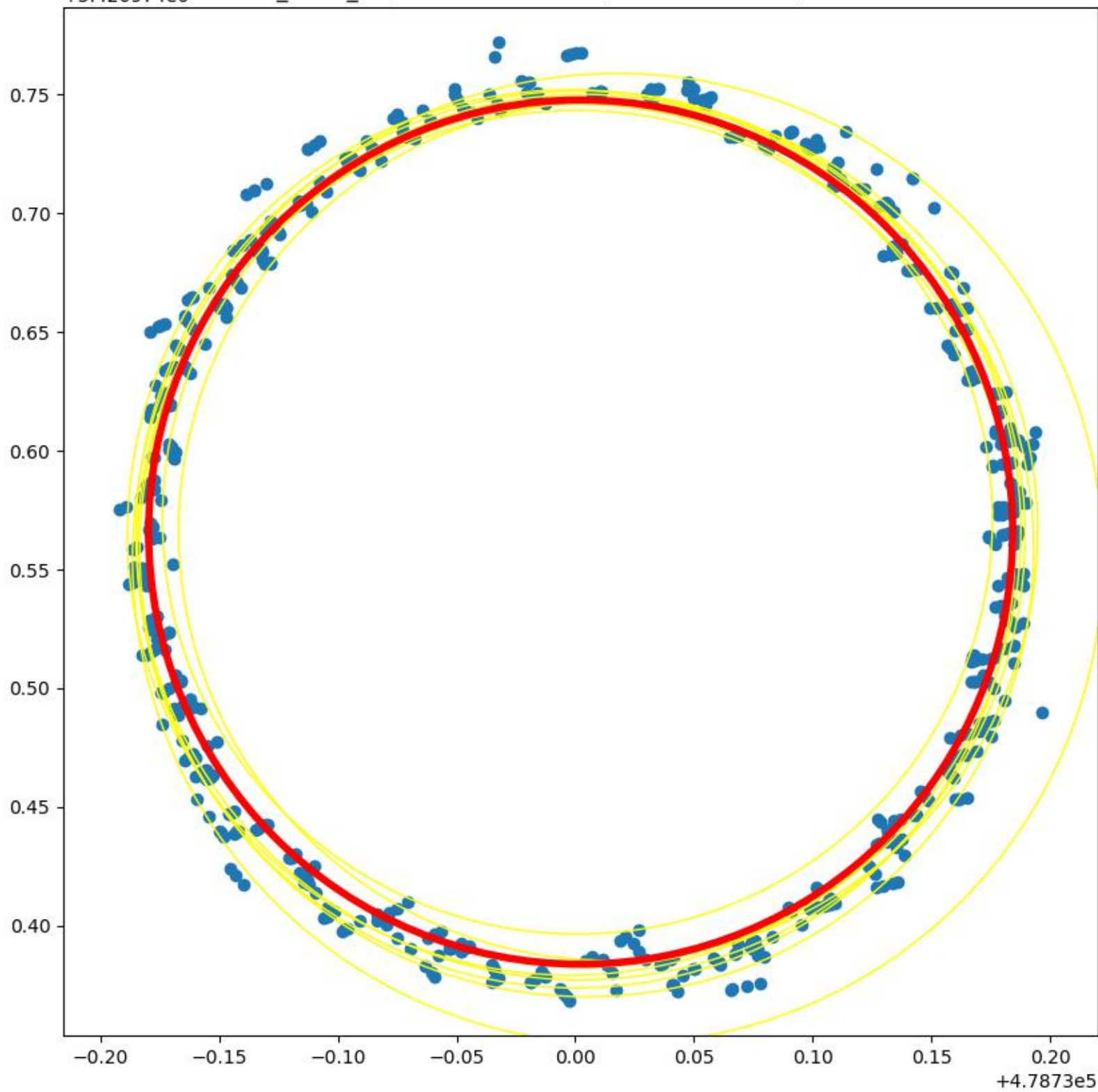
+5.428889e6 K_BR02_10; slice: 1.28-1.32 m; Final score: 599; r = 0.20



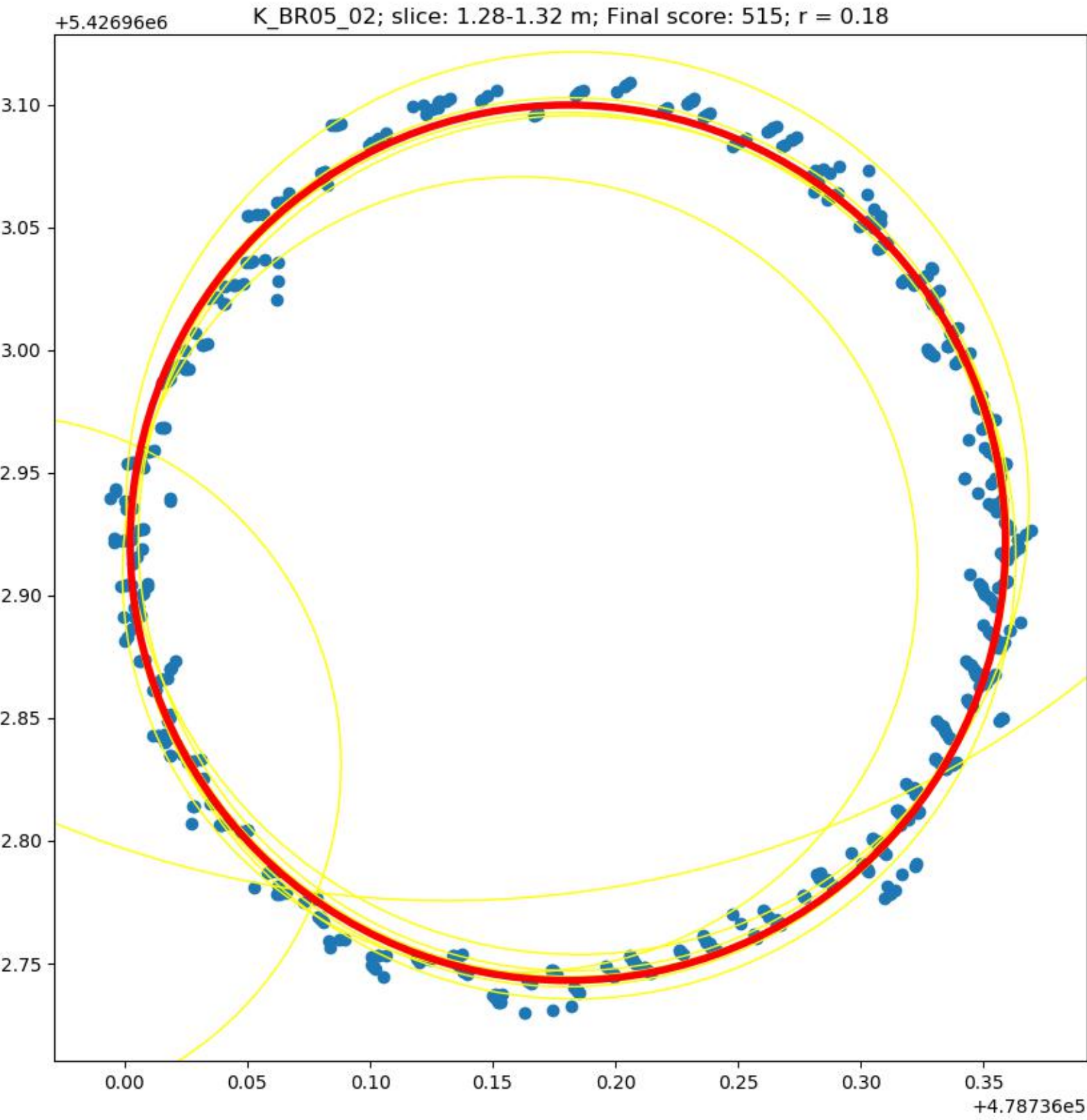
PinSyl_BR05_01

+5.426974e6

K_BR05_01; slice: 1.28-1.32 m; Final score: 544; $r = 0.18$



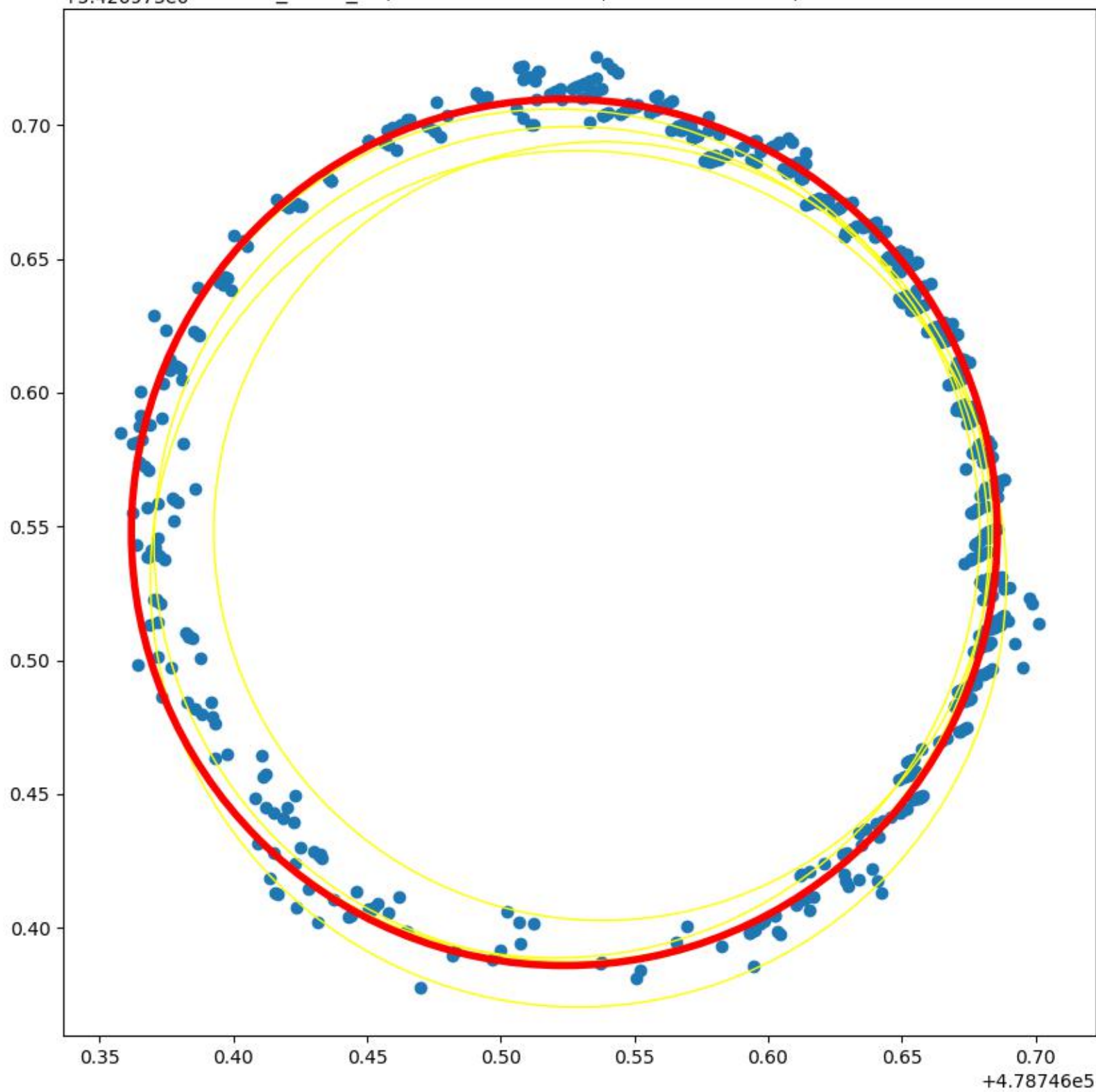
PinSyl_BR05_02



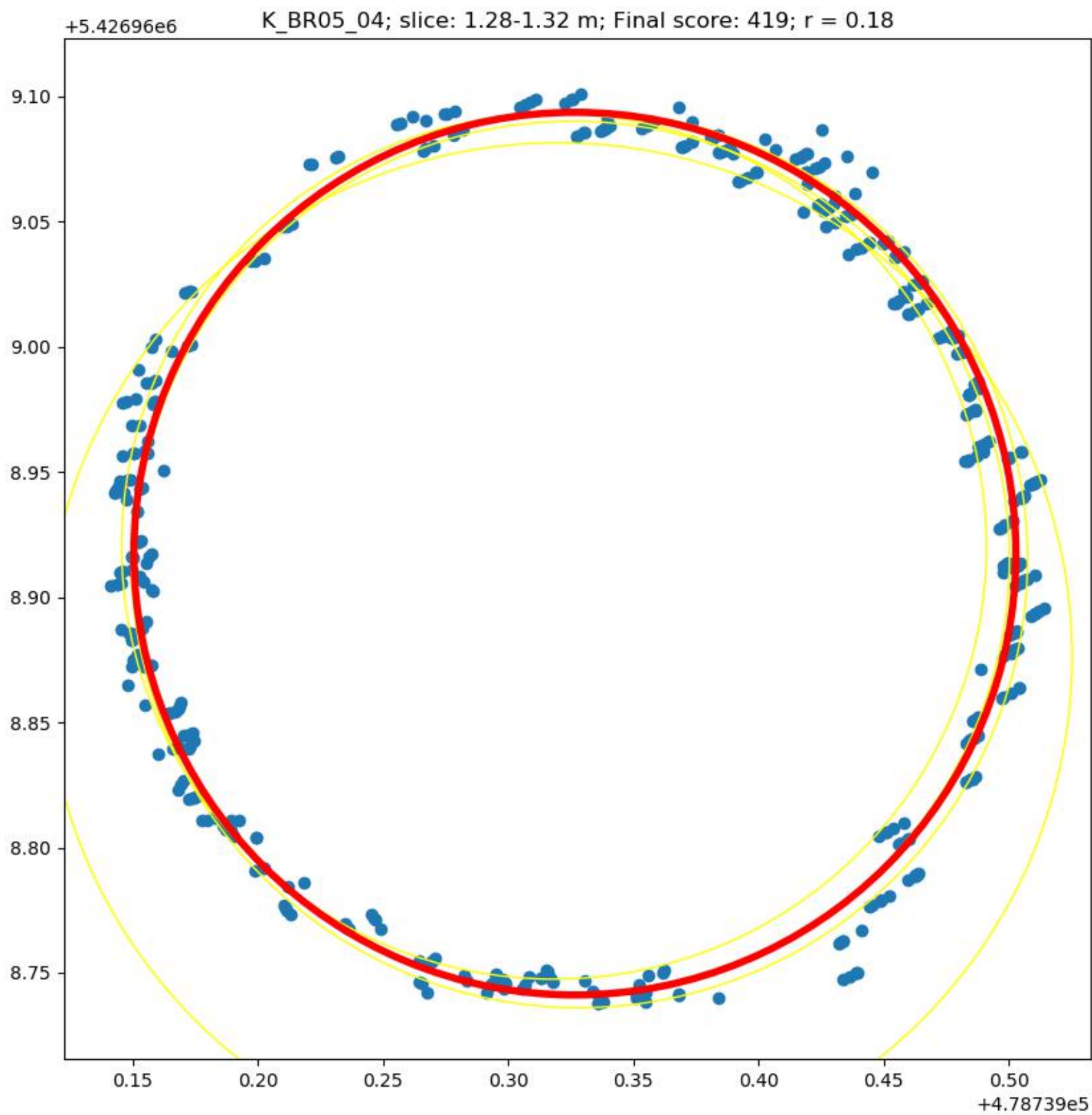
PinSyl_BR05_03

+5.426973e6

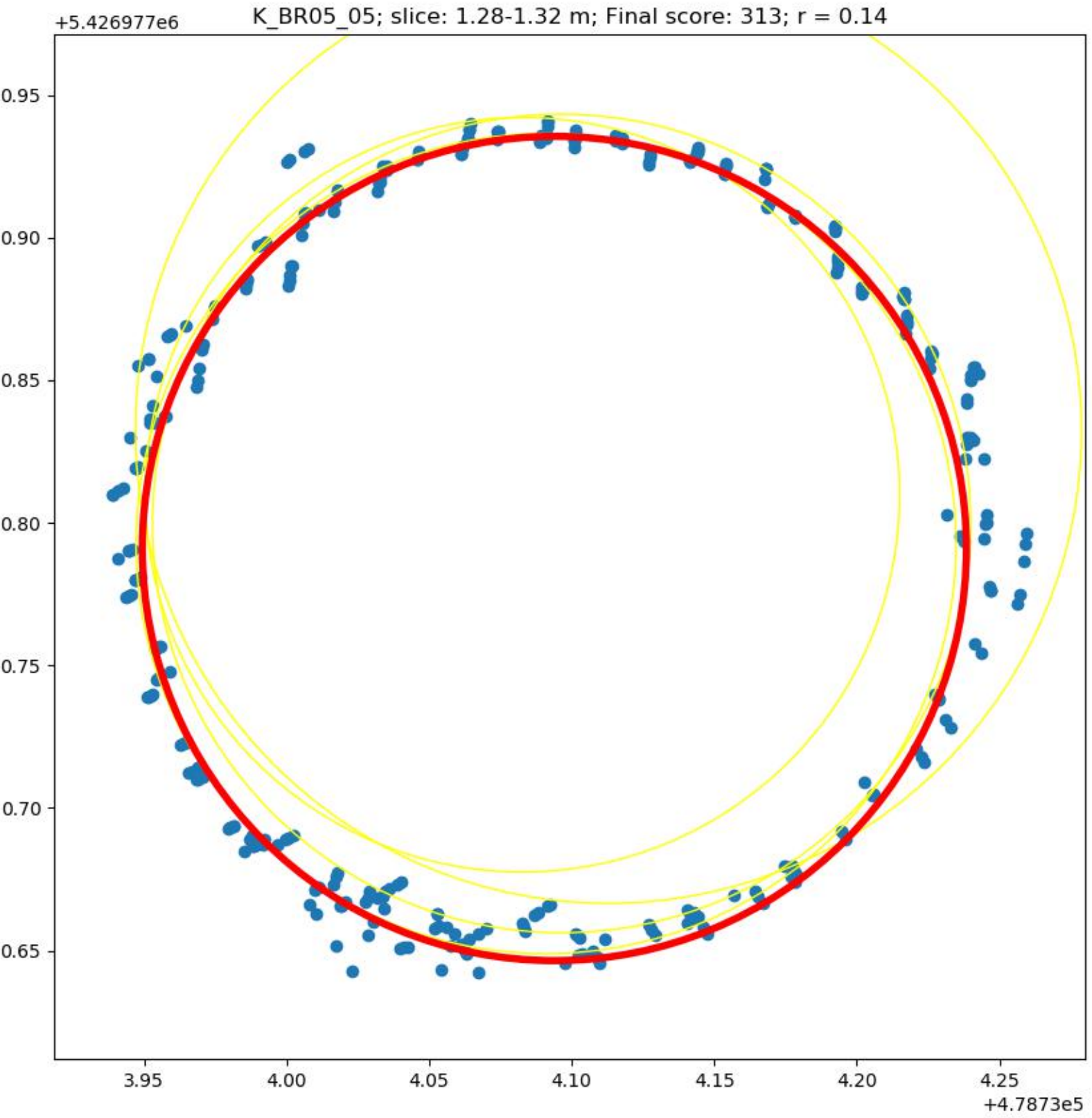
K_BR05_03; slice: 1.28-1.32 m; Final score: 604; $r = 0.16$



PinSyl_BR05_04

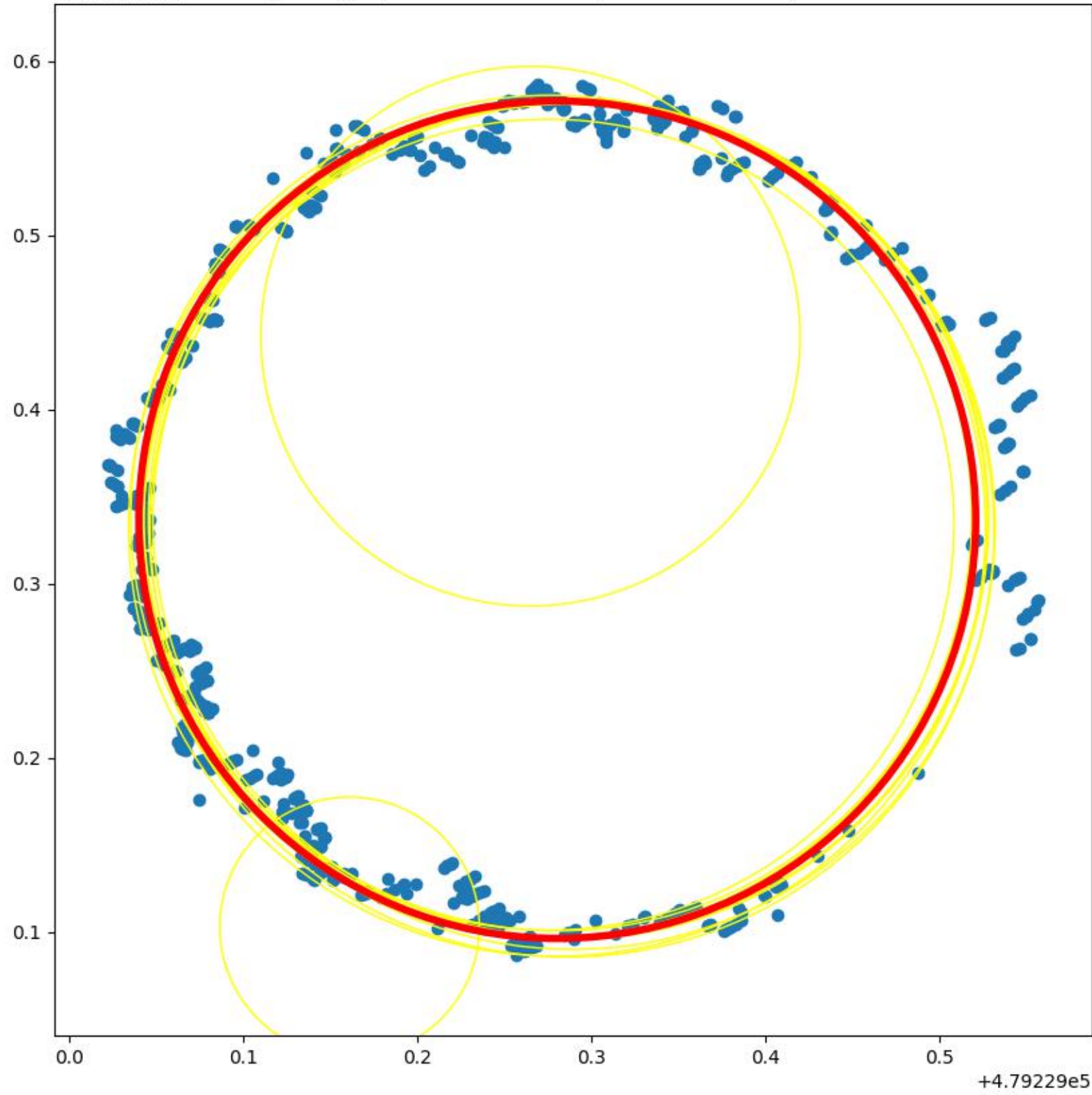


PinSyl_BR05_05

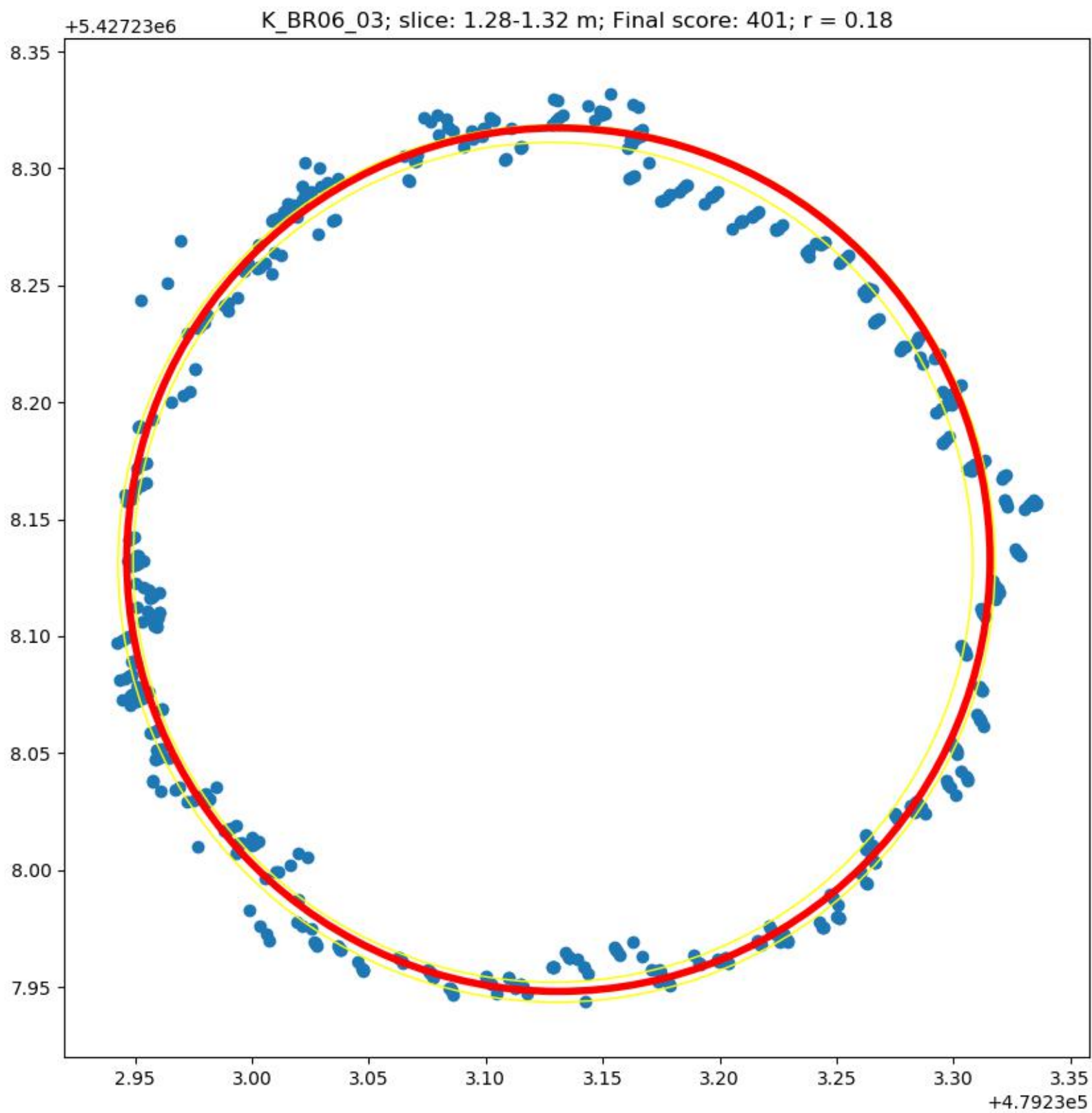


PinSyl_BR06_01

+5.427237e6 K_BR06_01; slice: 1.28-1.32 m; Final score: 452; r = 0.24



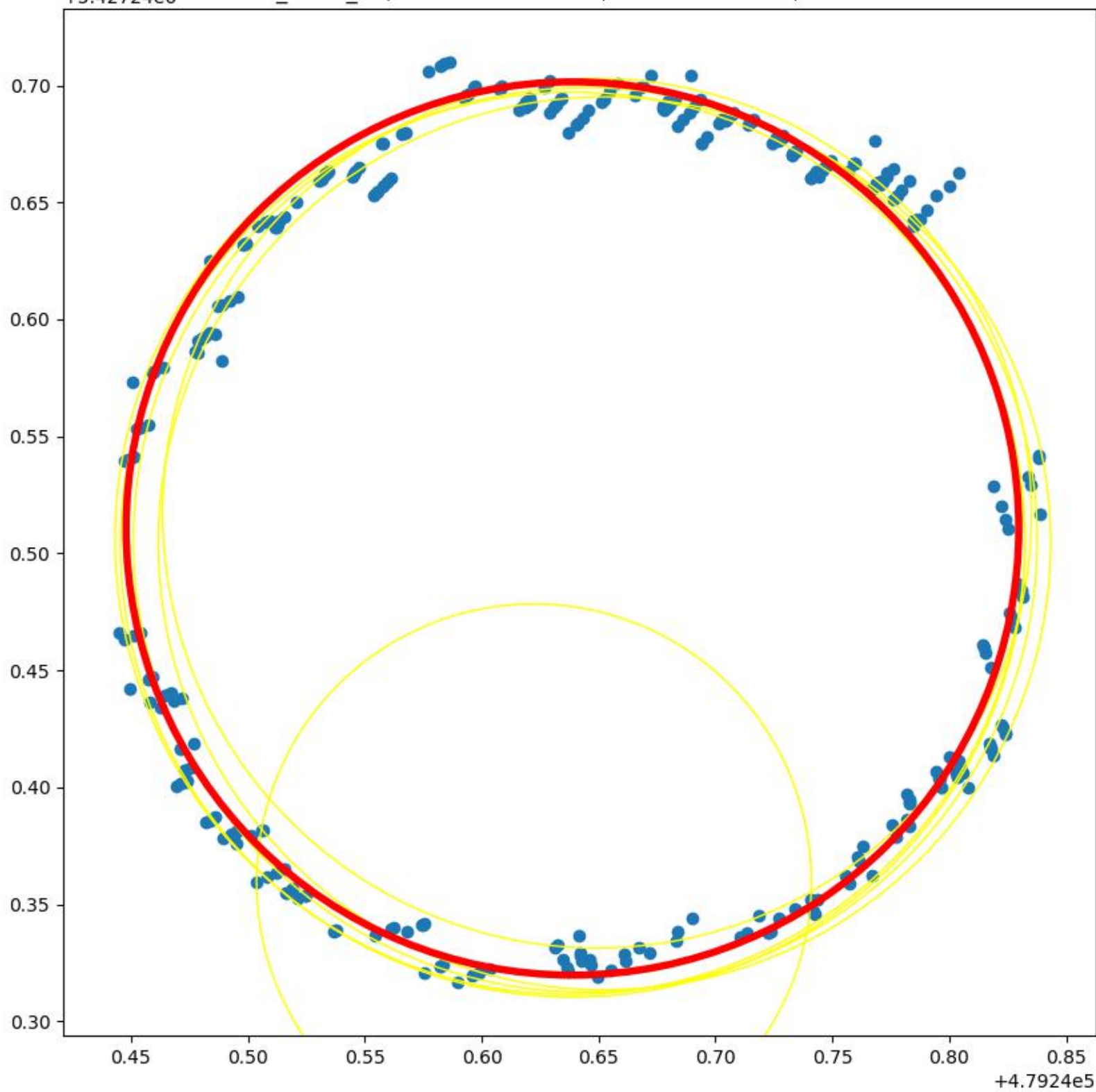
PinSyl_BR06_03



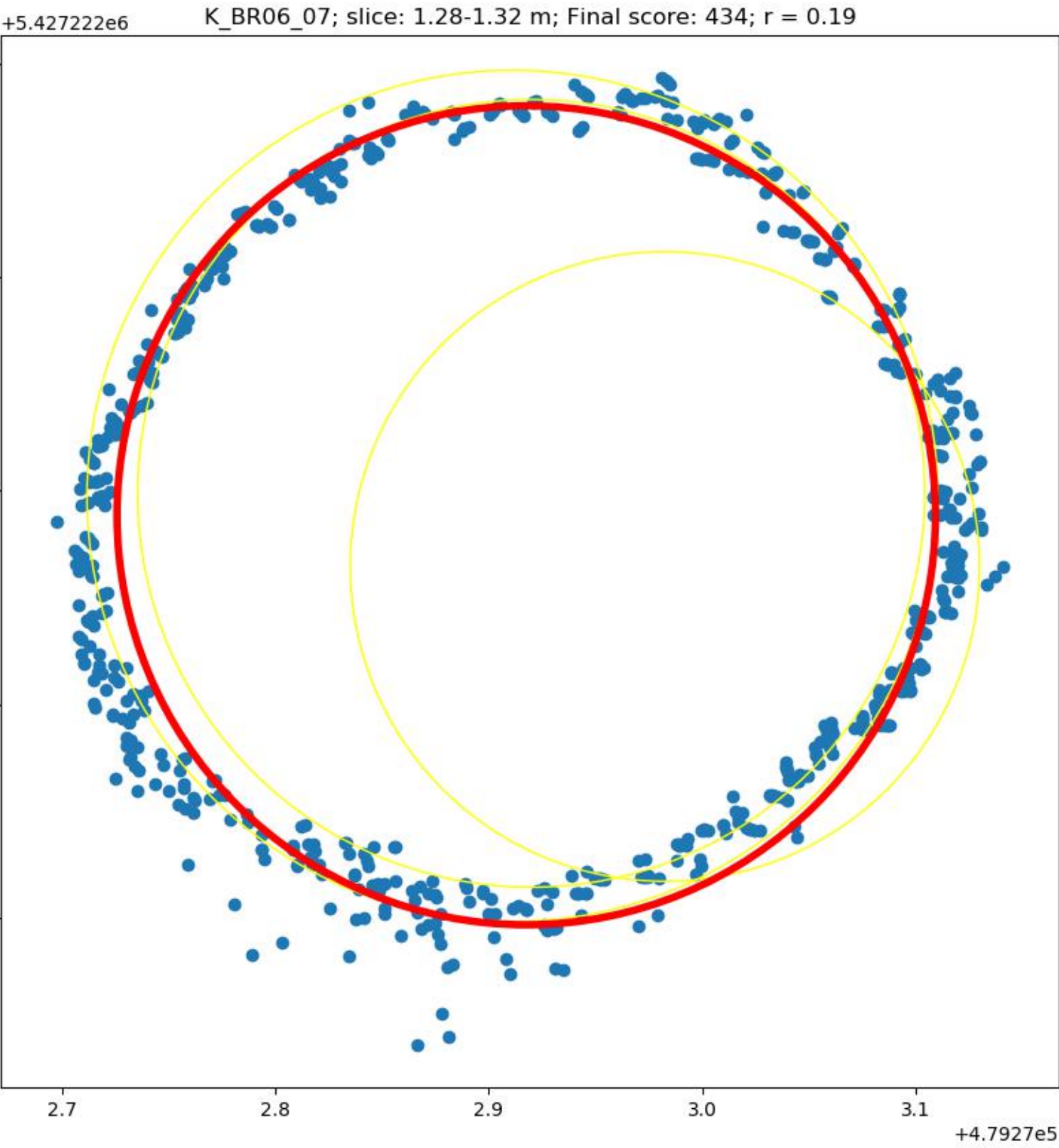
PinSyl_BR06_04

+5.42724e6

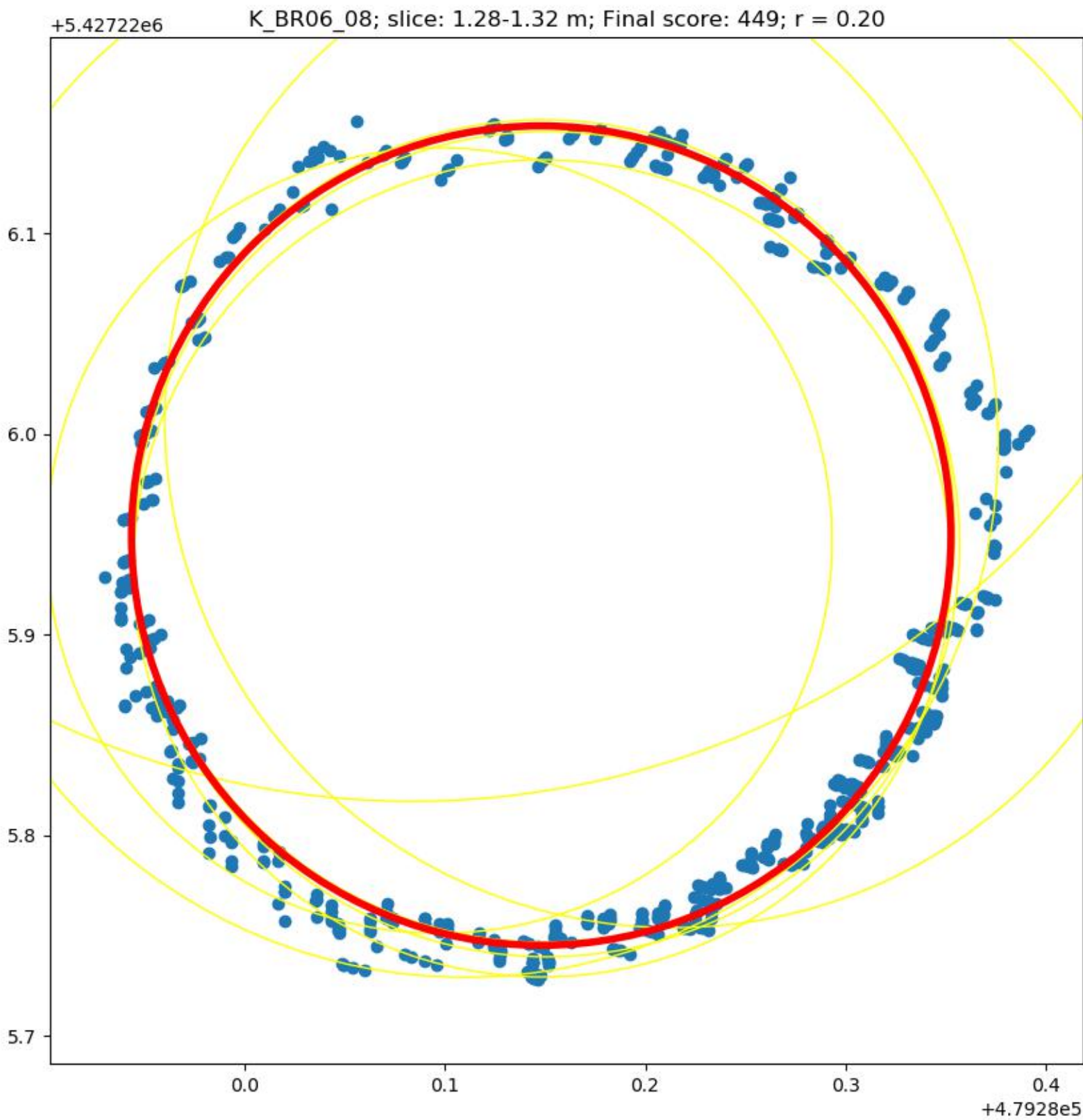
K_BR06_04; slice: 1.28-1.32 m; Final score: 274; $r = 0.19$



PinSyl_BR06_07



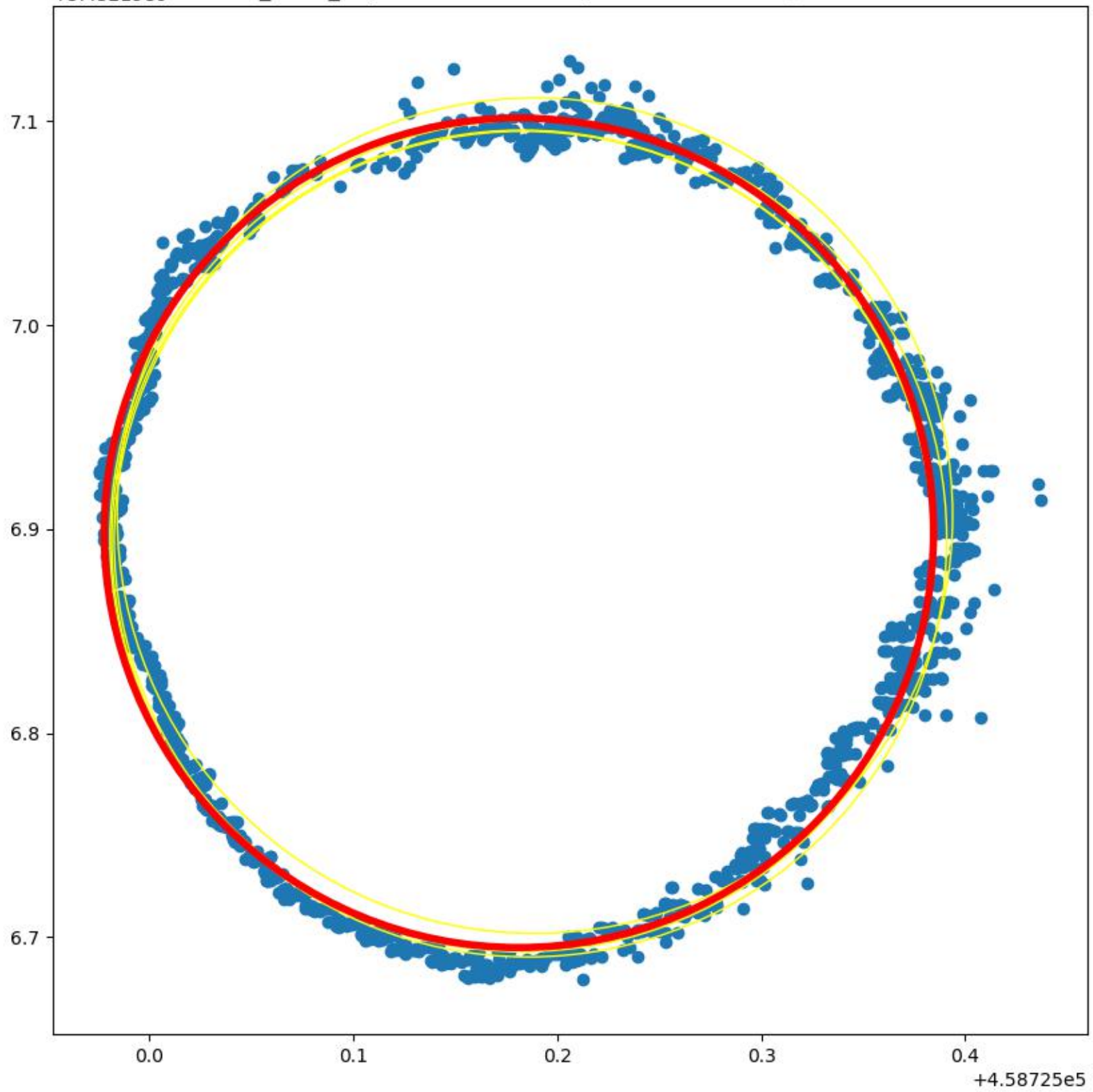
PinSyl_BR06_08



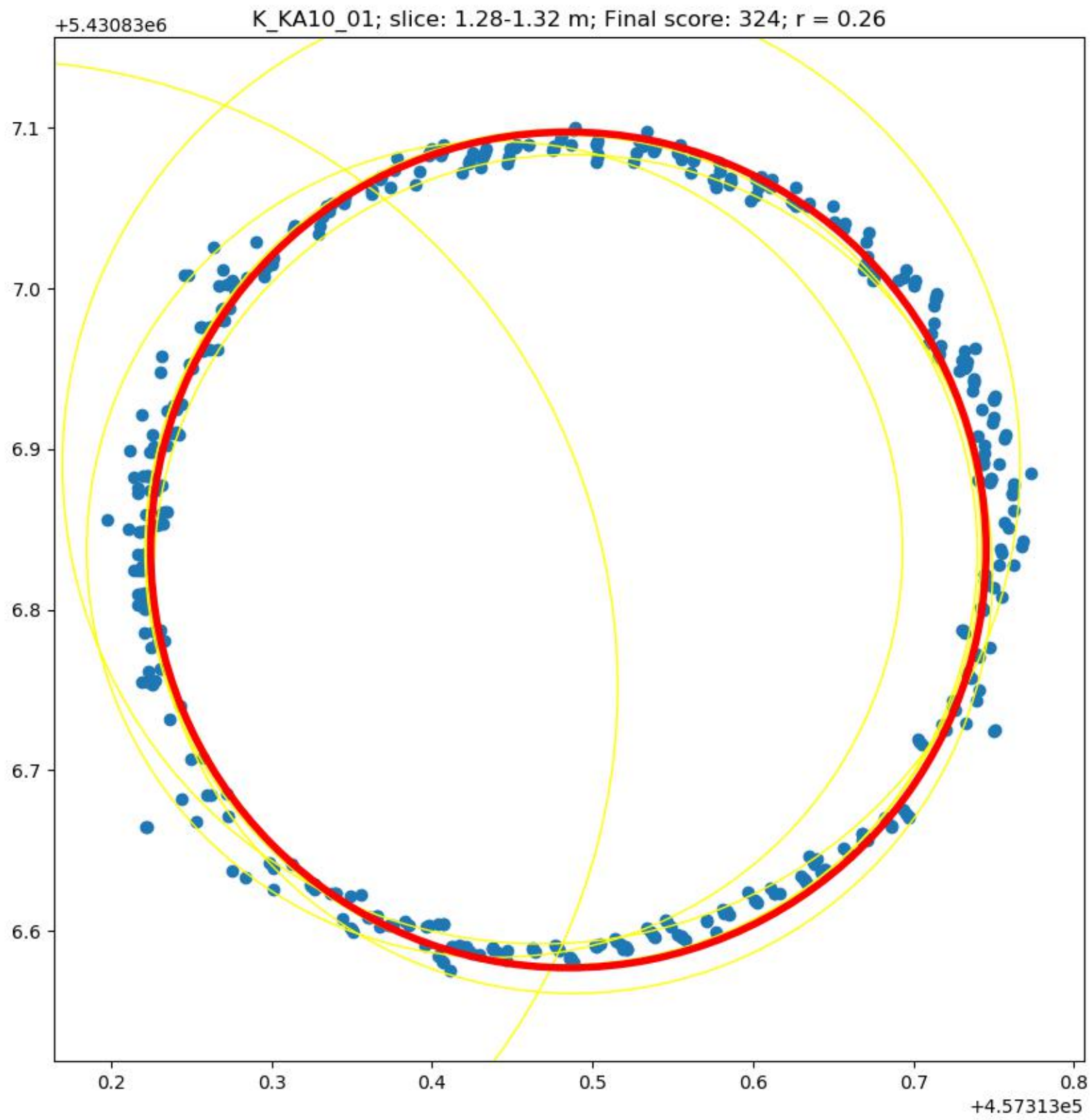
PinSyl_KA09_T050

+5.43219e6

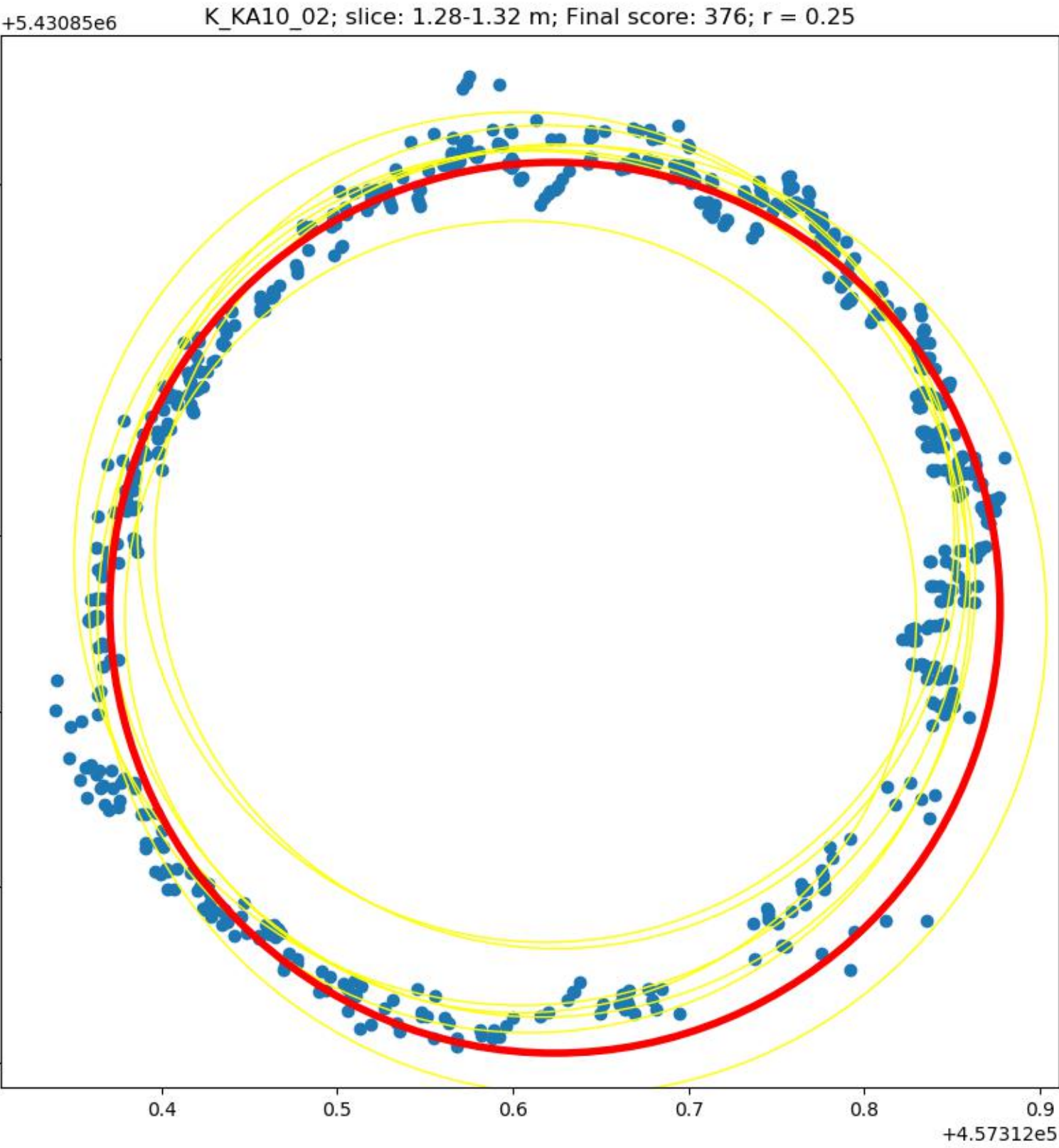
K_KA09_04; slice: 1.28-1.32 m; Final score: 1756; $r = 0.20$



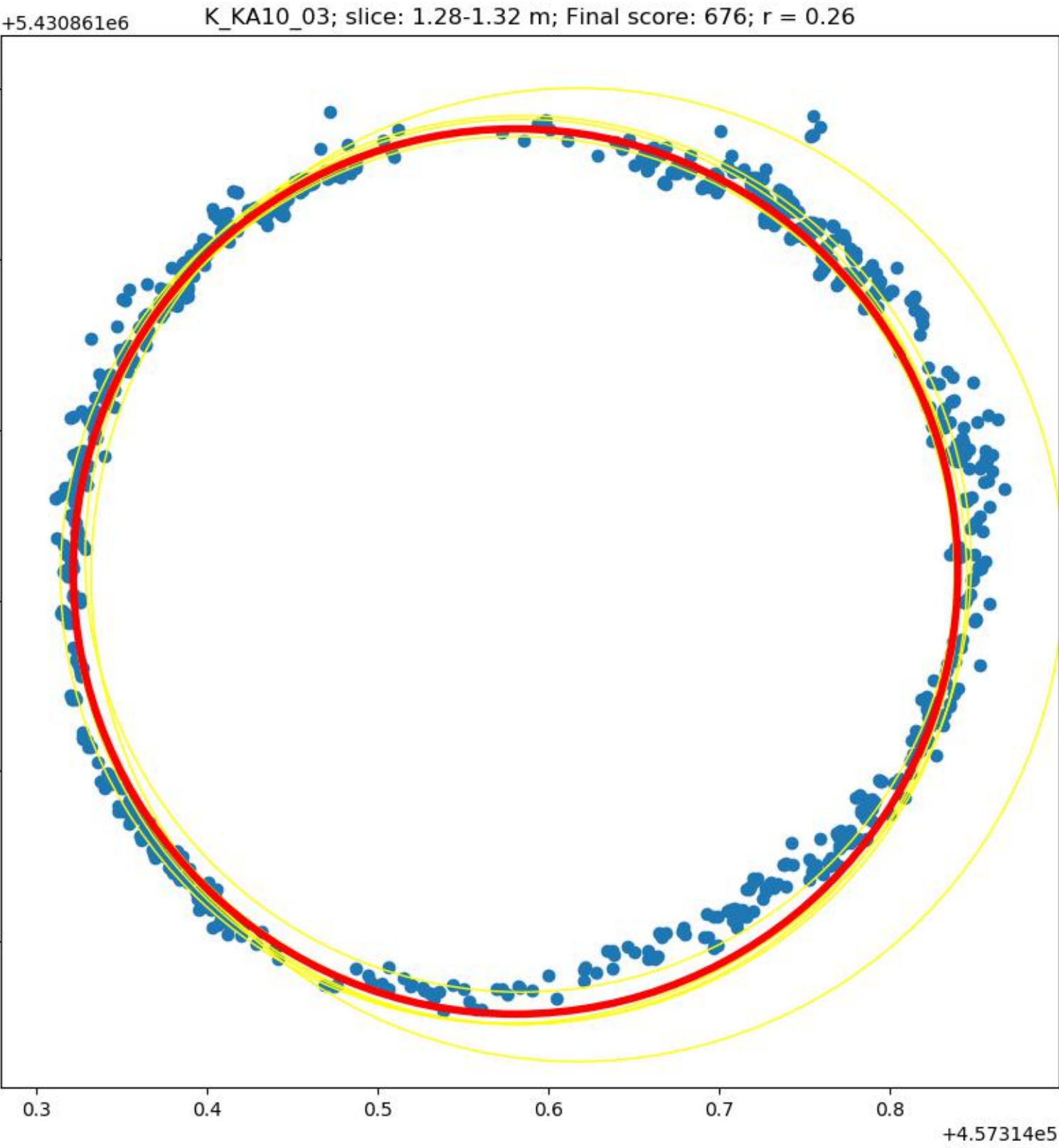
PinSyl_KA10_01



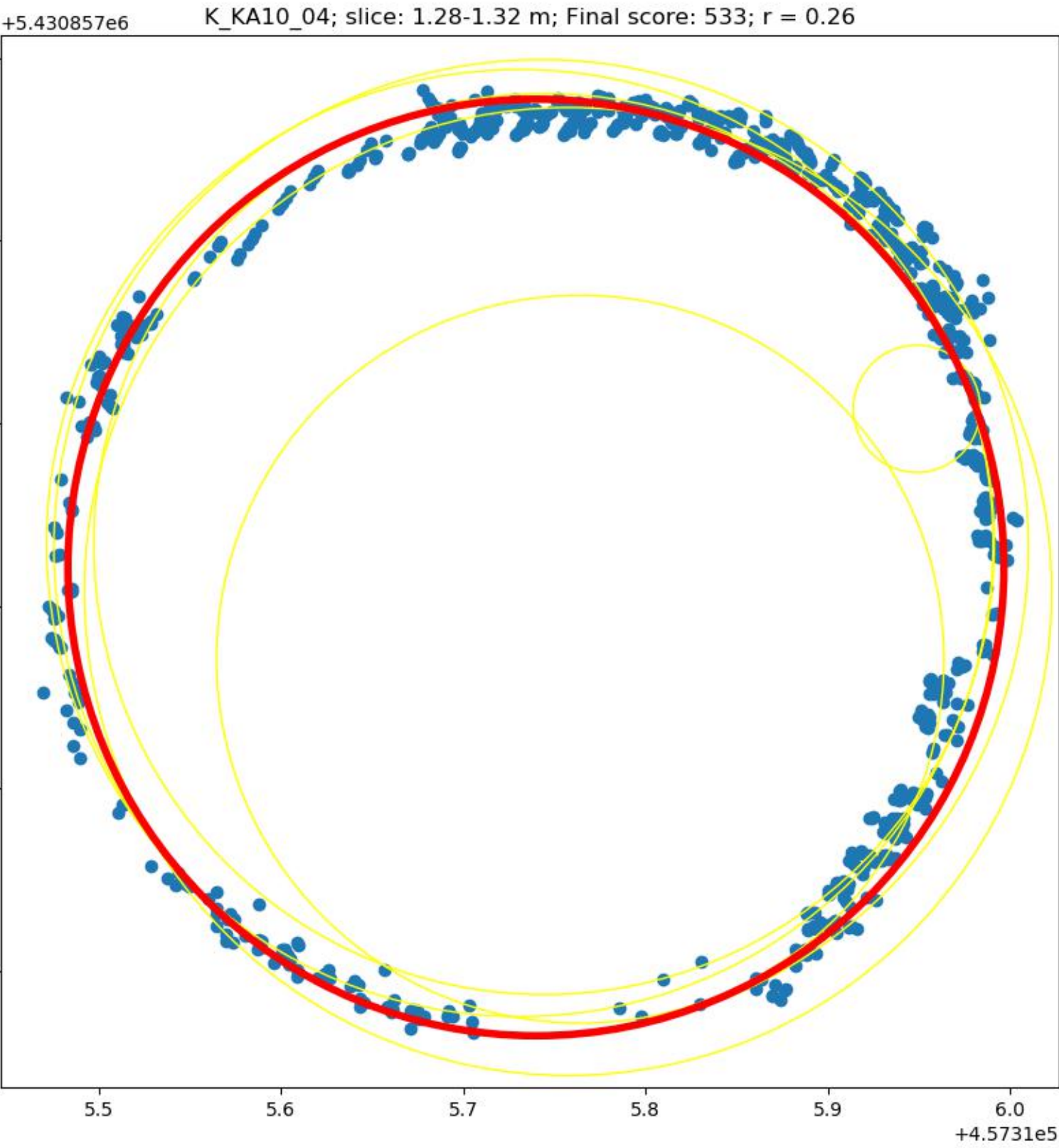
PinSyl_KA10_02



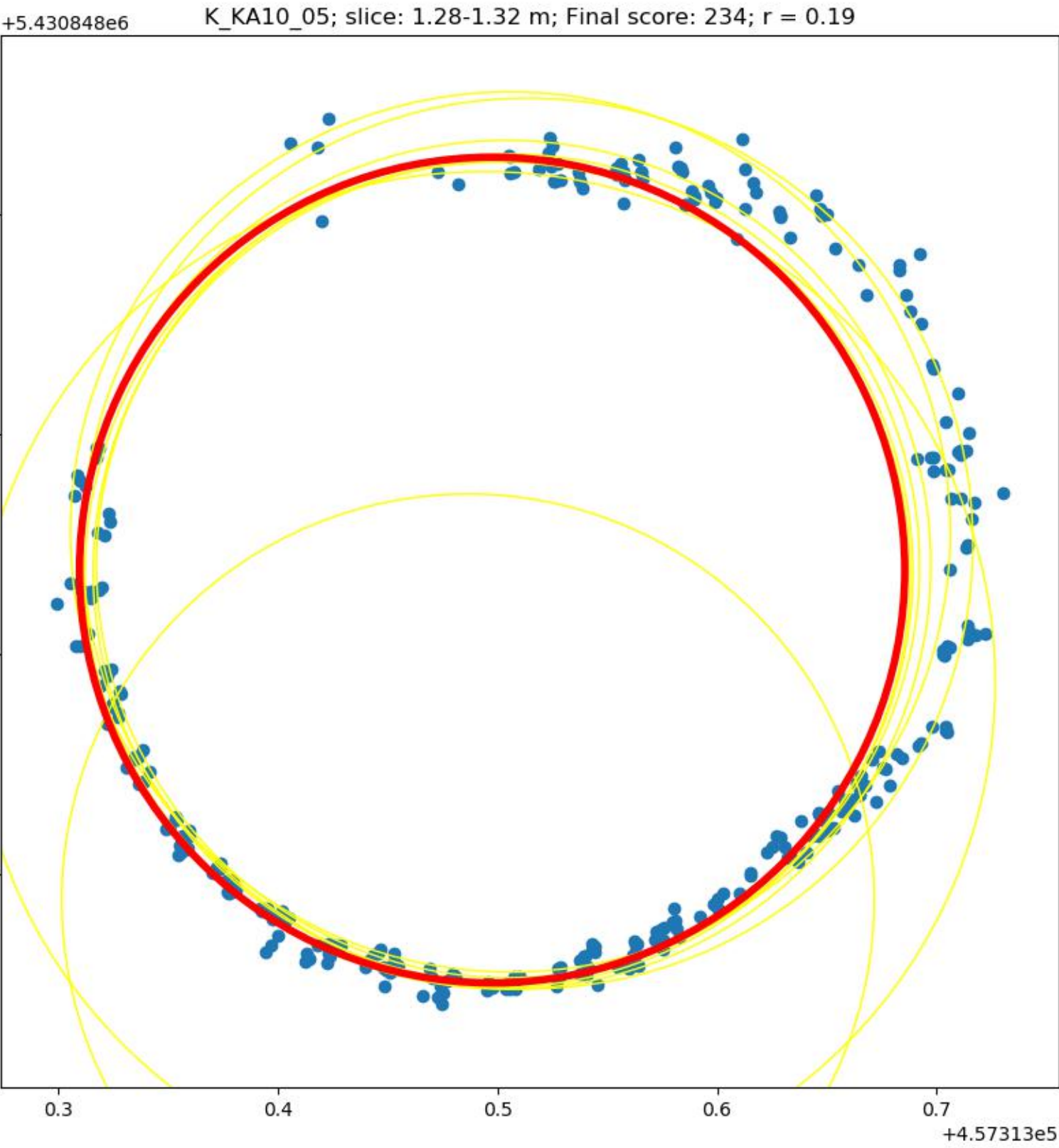
PinSyl_KA10_03



PinSyl_KA10_04



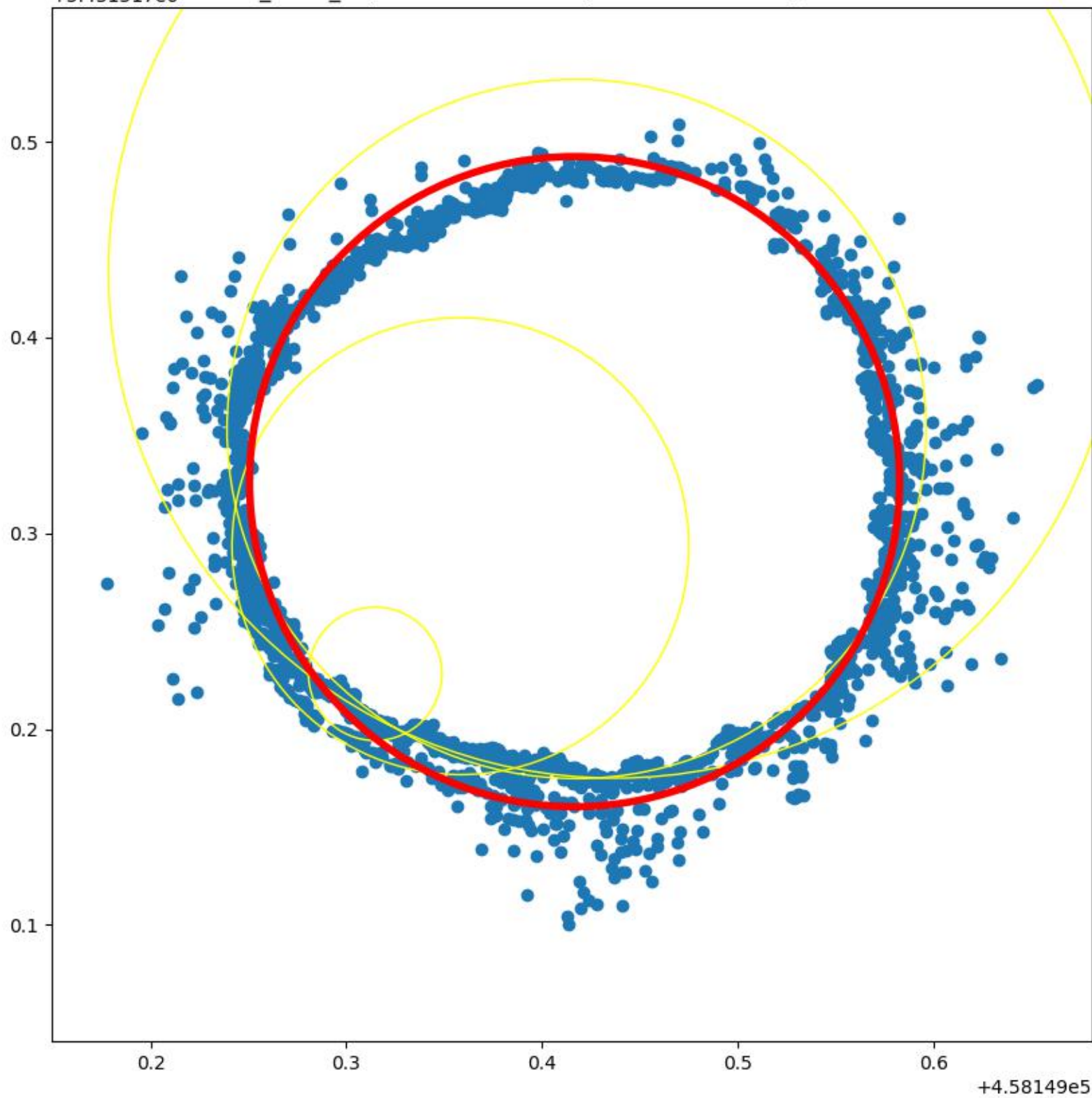
PinSyl_KA10_05



PinSyl_KA11_P17Tree72

+5.431517e6

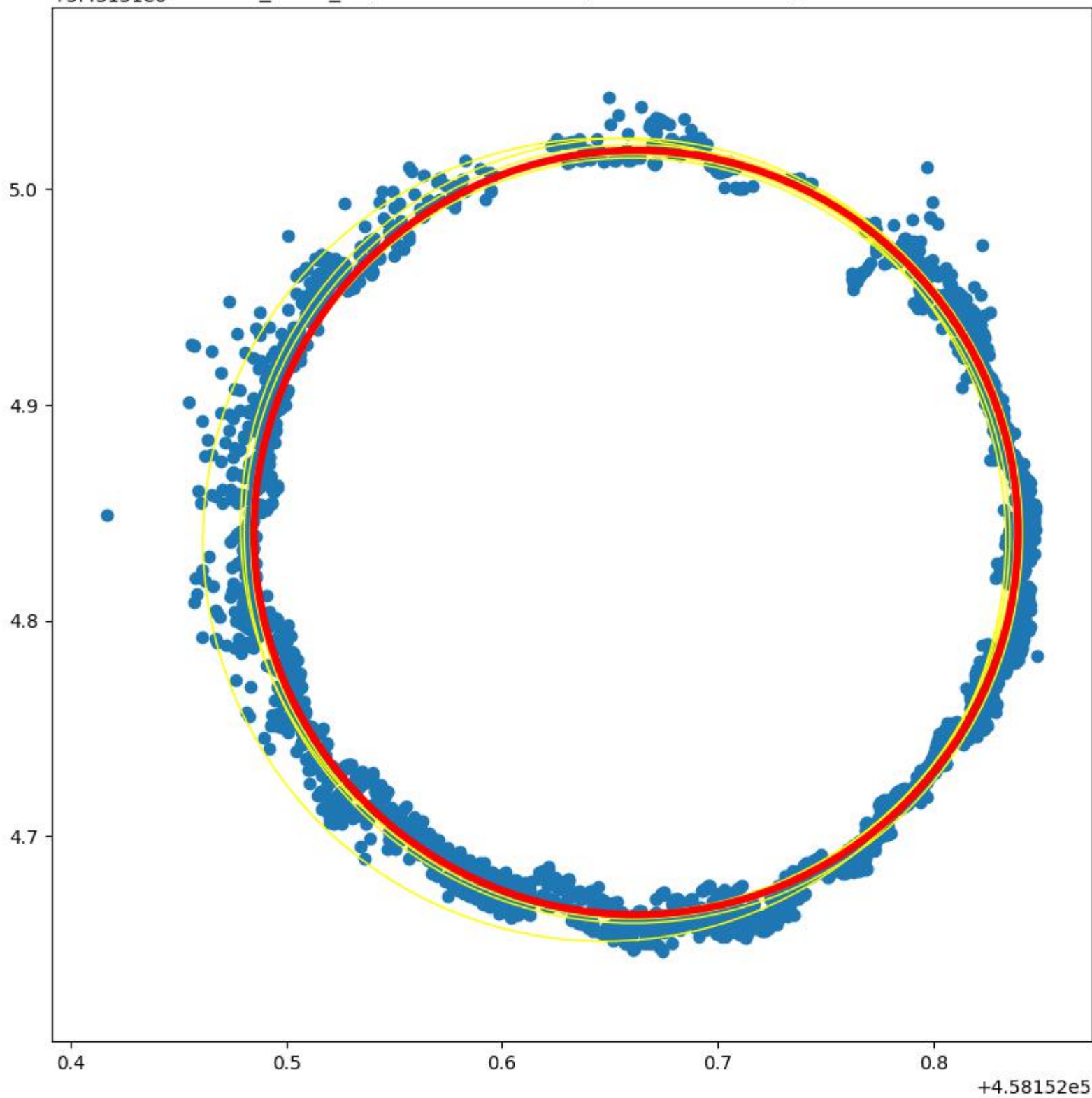
K_KA11_02; slice: 1.28-1.32 m; Final score: 1552; $r = 0.17$



PinSyl_KA11_P17Tree73

+5.43151e6

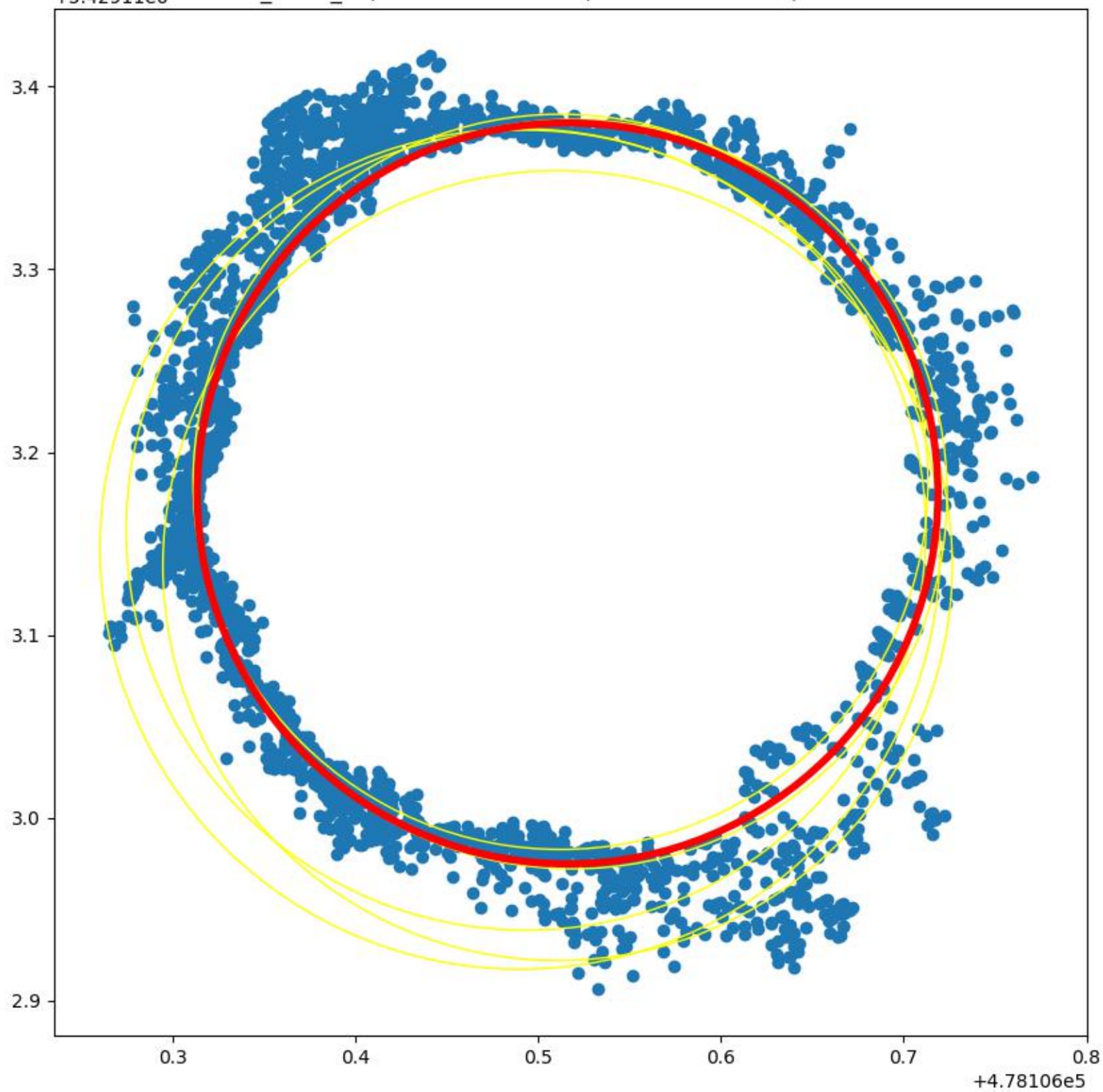
K_KA11_03; slice: 1.28-1.32 m; Final score: 3286; $r = 0.18$



PseMen_BR03_01

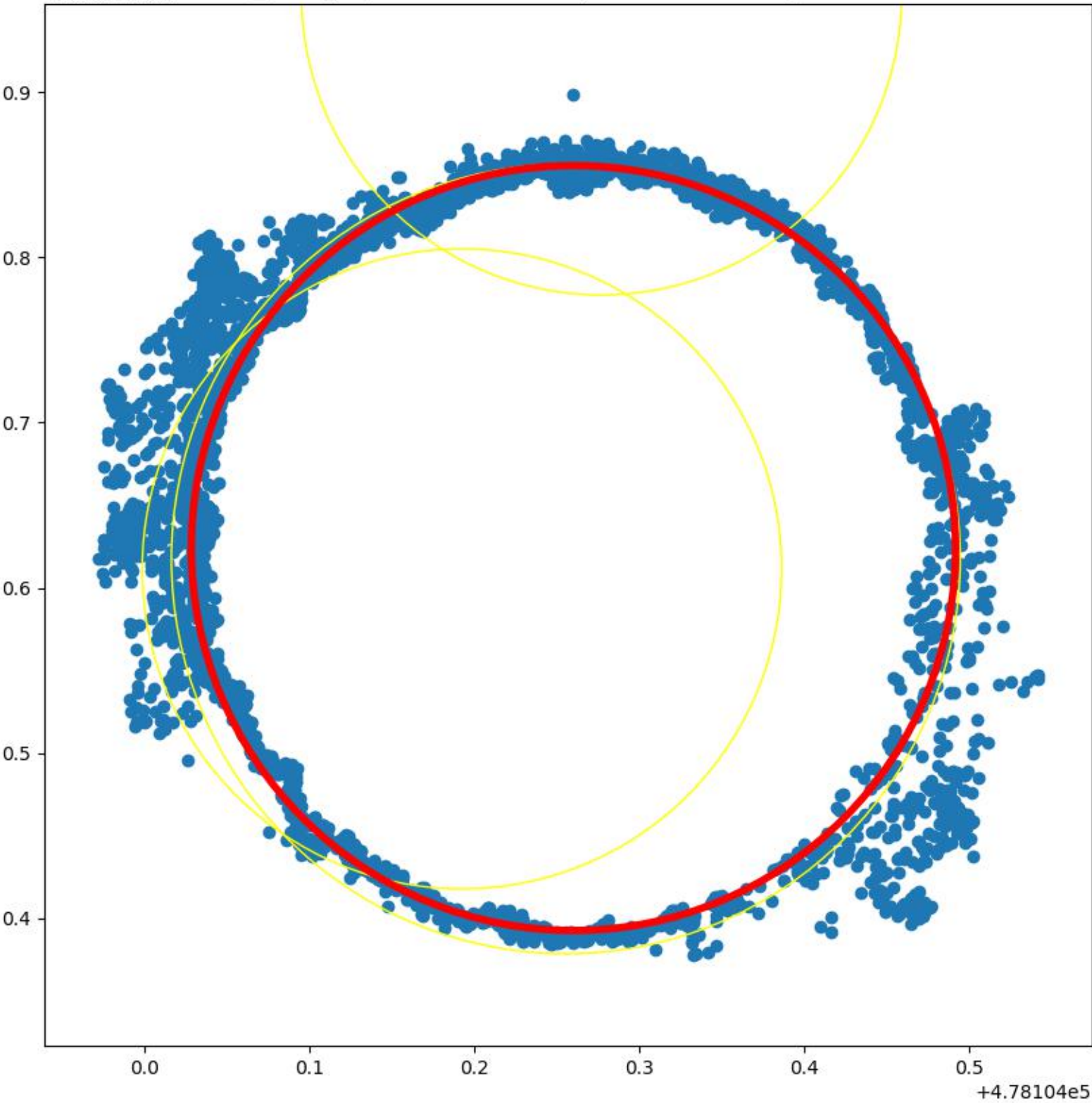
+5.42911e6

D_BR03_01; slice: 1.28-1.32 m; Final score: 1977; $r = 0.20$

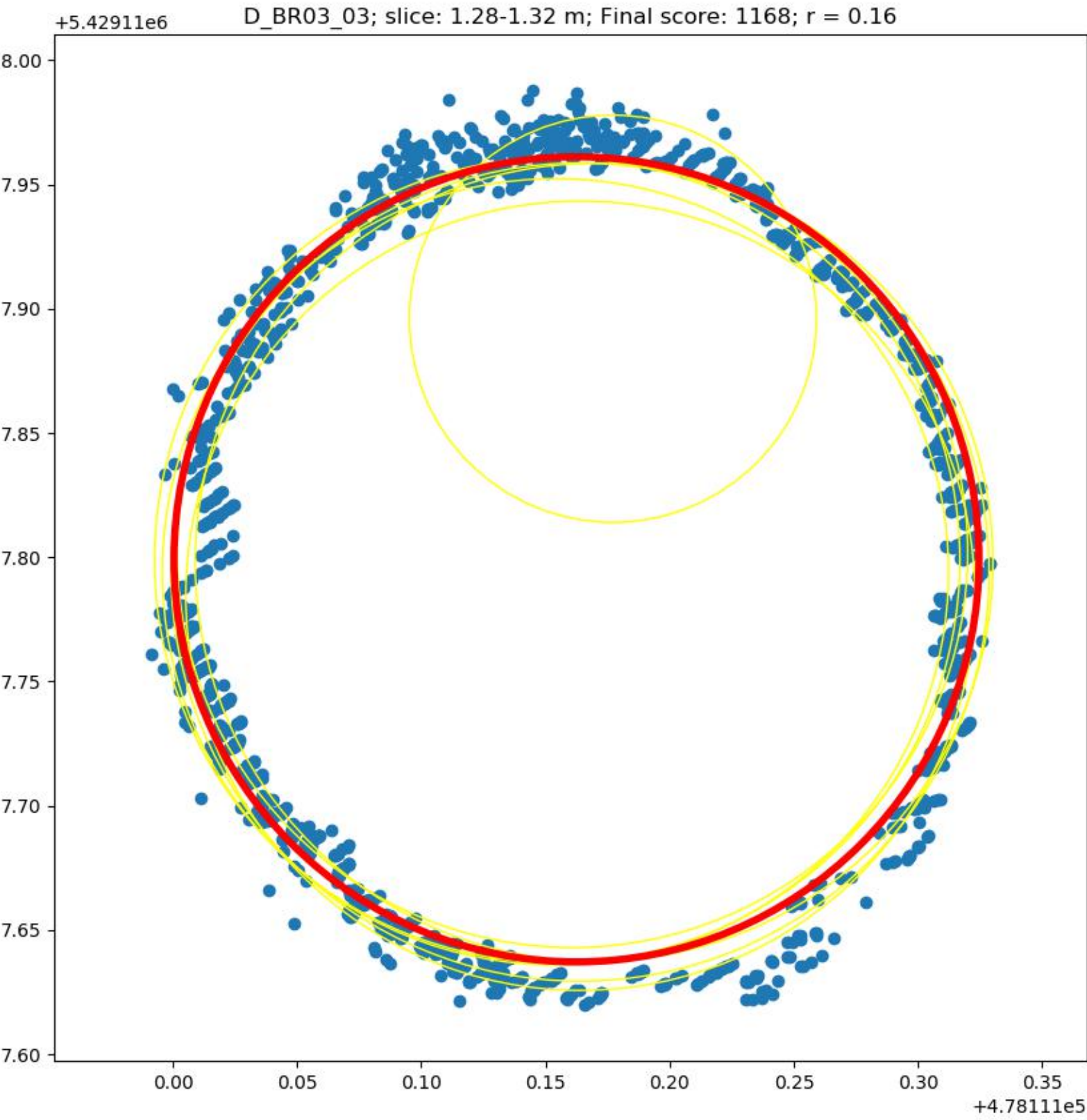


PseMen_BR03_02

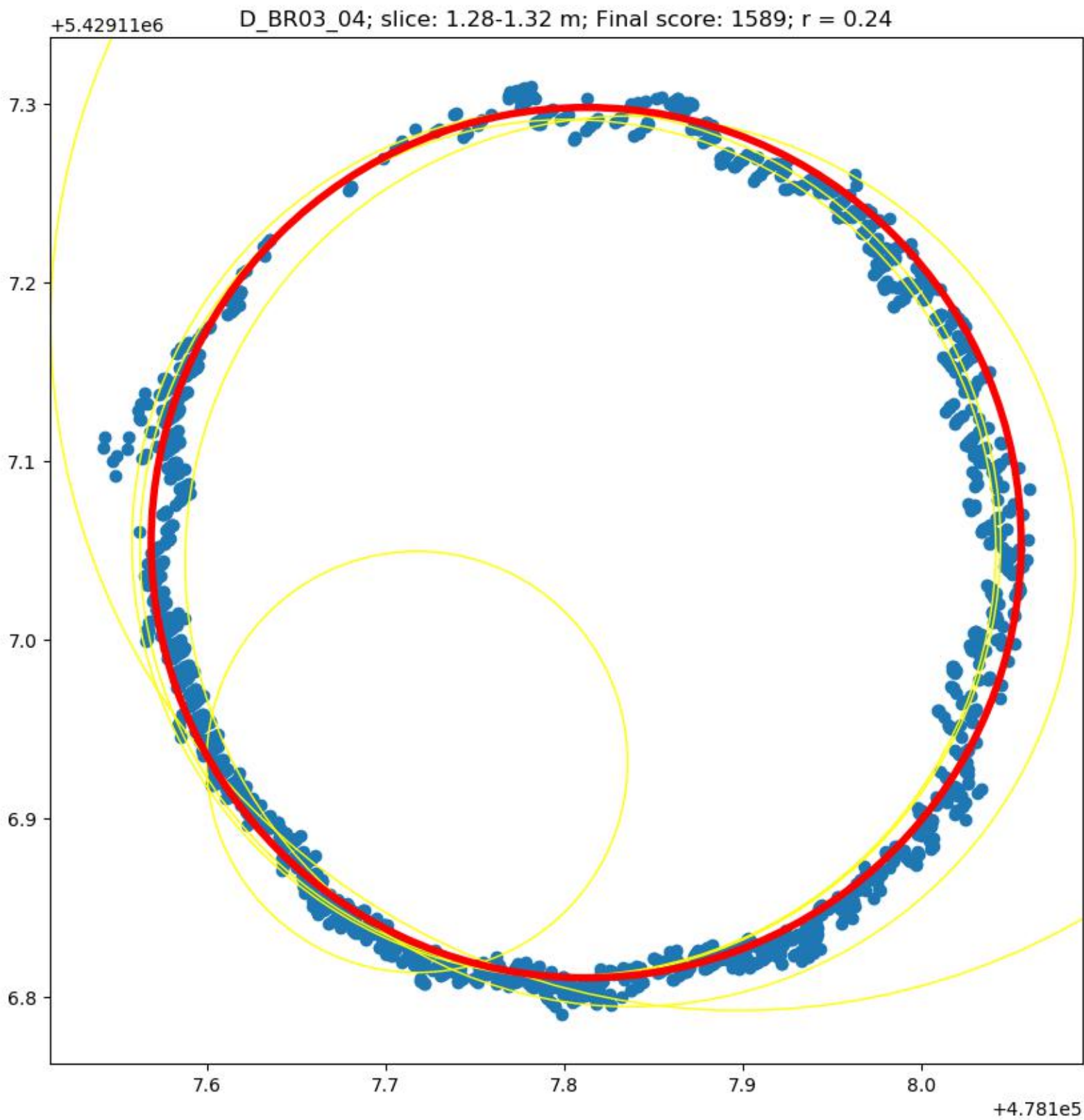
+5.429116e6 D_BR03_02; slice: 1.28-1.32 m; Final score: 3065; r = 0.23



PseMen_BR03_03

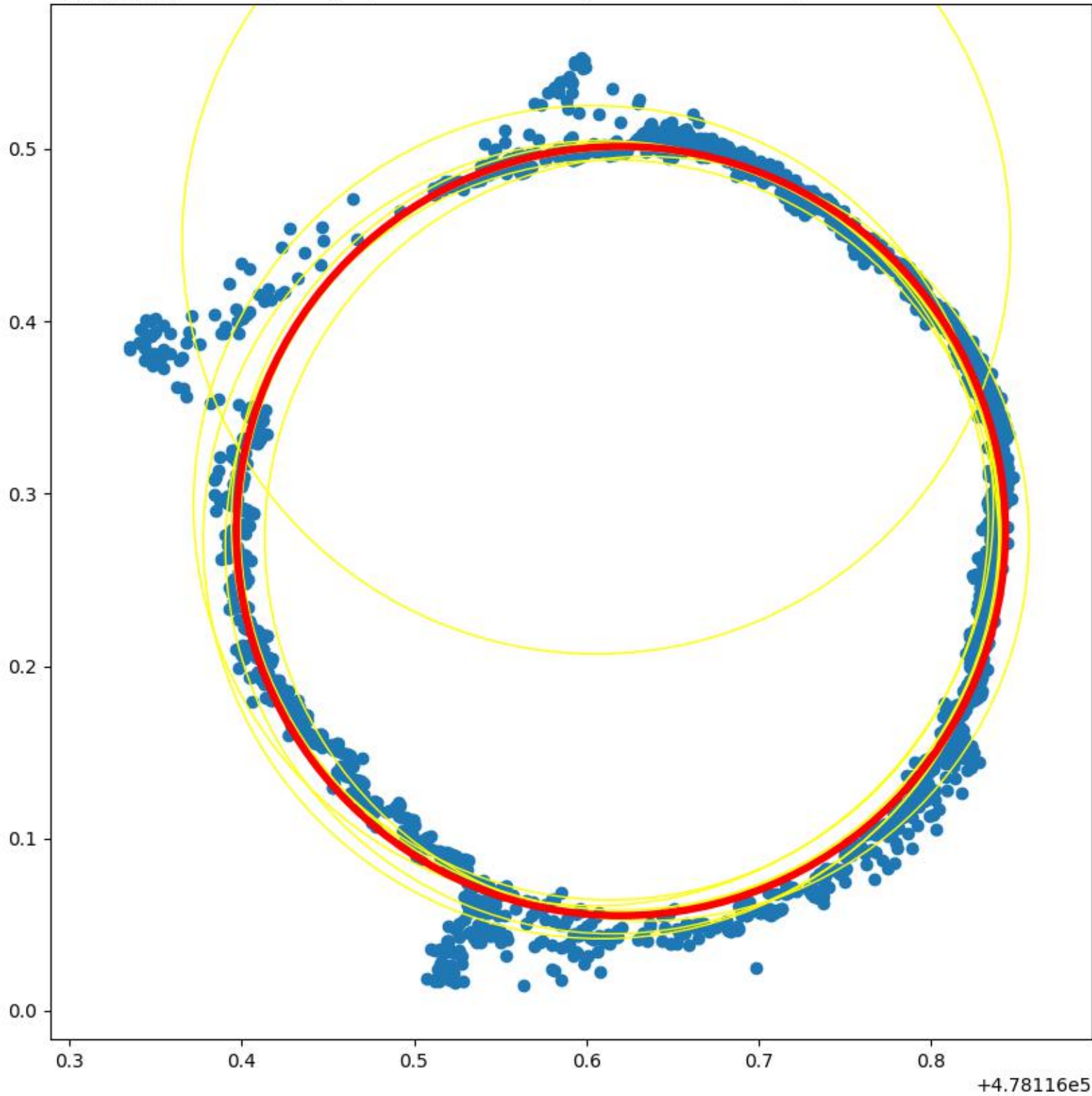


PseMen_BR03_04

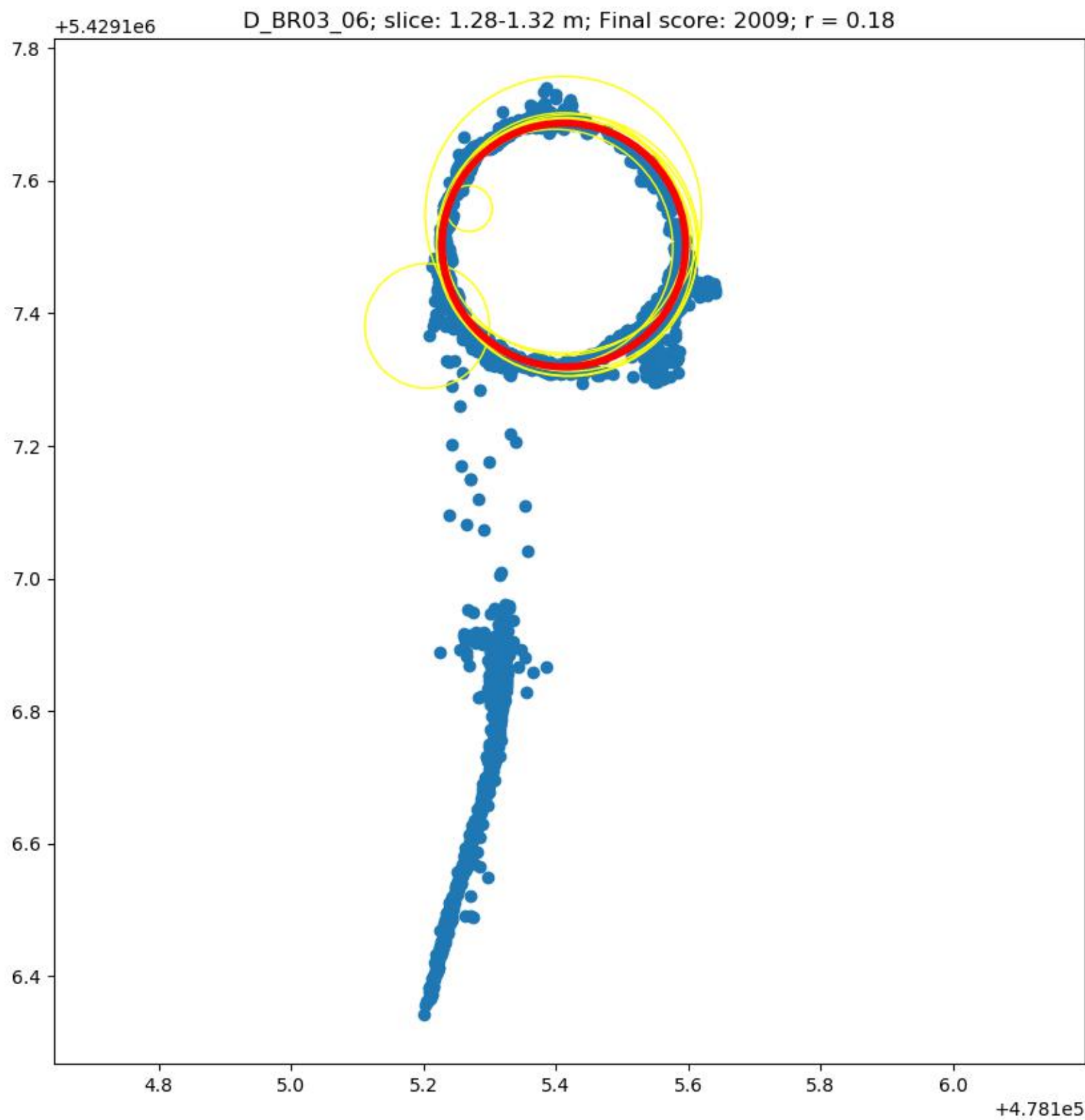


PseMen_BR03_05

+5.429127e6 D_BR03_05; slice: 1.28-1.32 m; Final score: 2396; r = 0.22

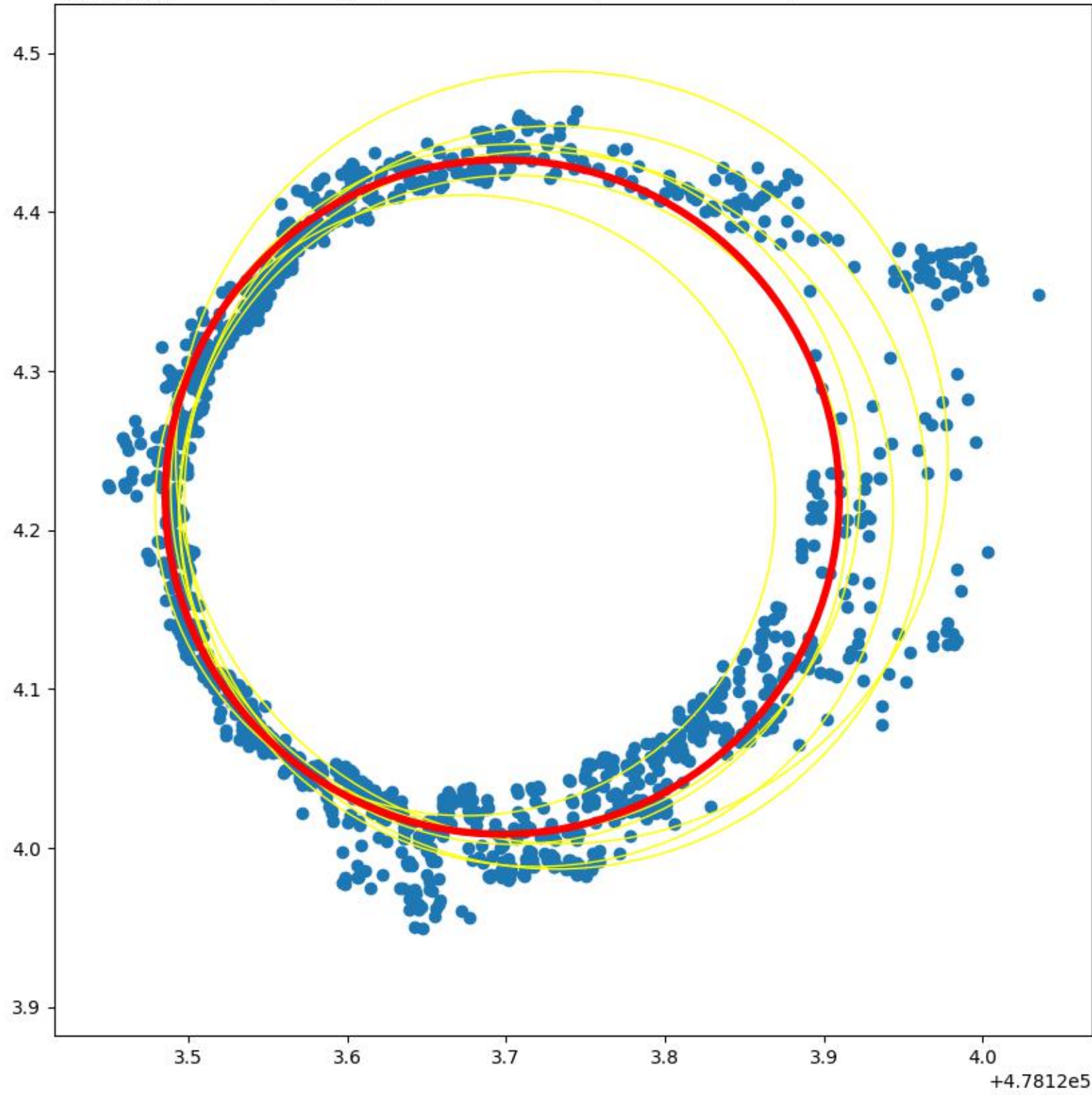


PseMen_BR03_06



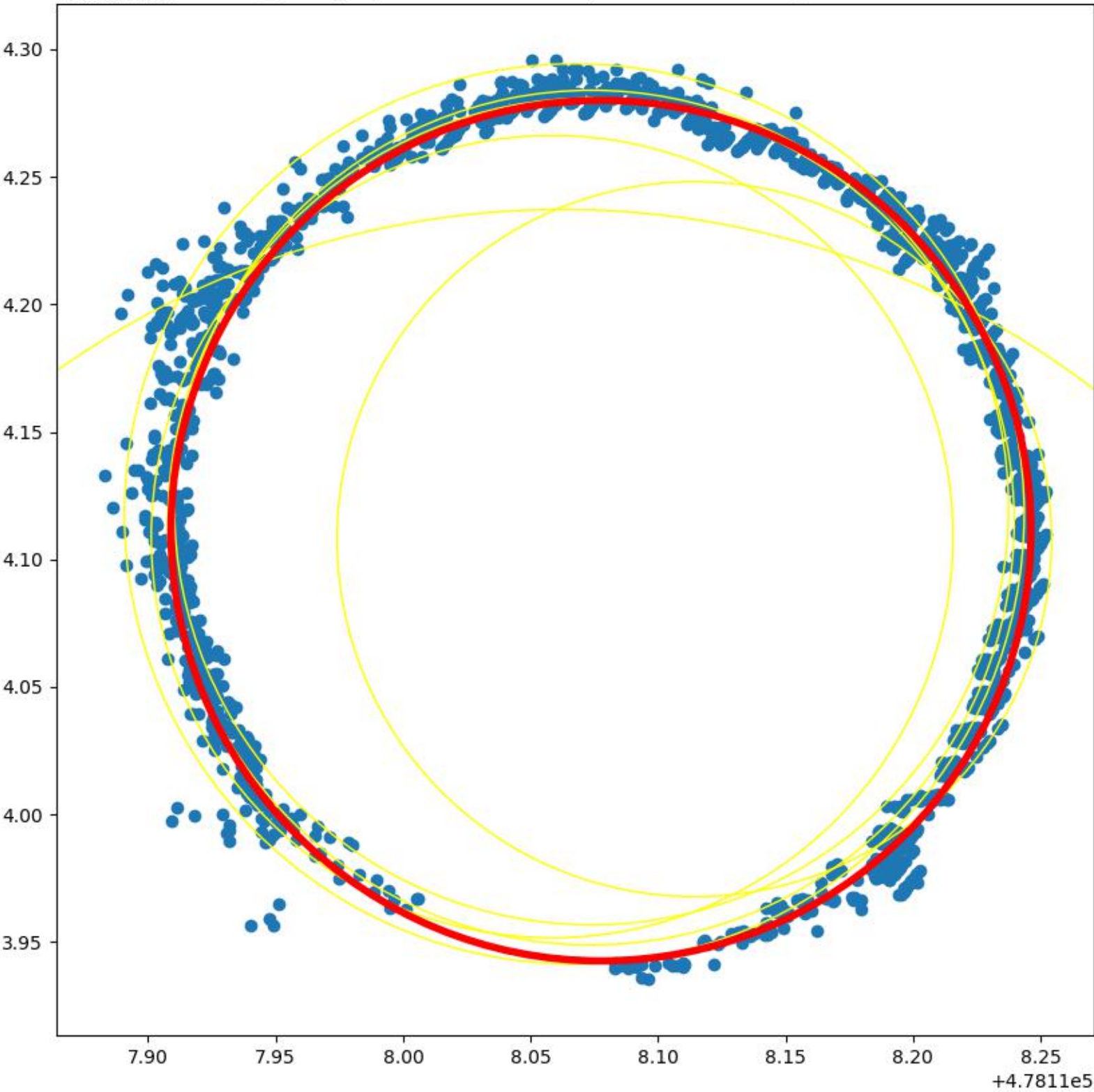
PseMen_BR03_07

+5.42911e6 D_BR03_07; slice: 1.28-1.32 m; Final score: 725; r = 0.21



PseMen_BR03_12

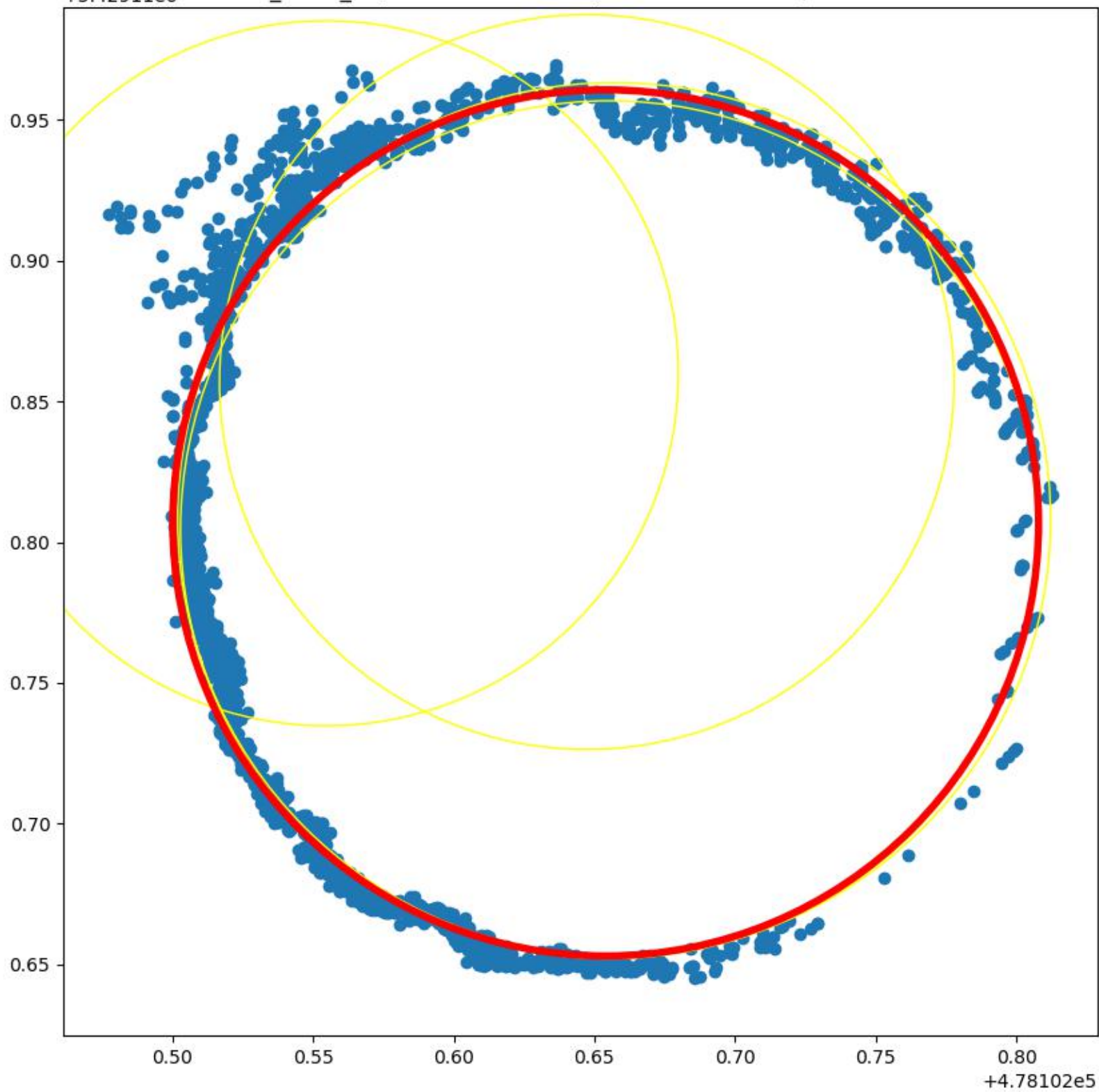
+5.42912e6 D_BR03_12; slice: 1.28-1.32 m; Final score: 2025; r = 0.17



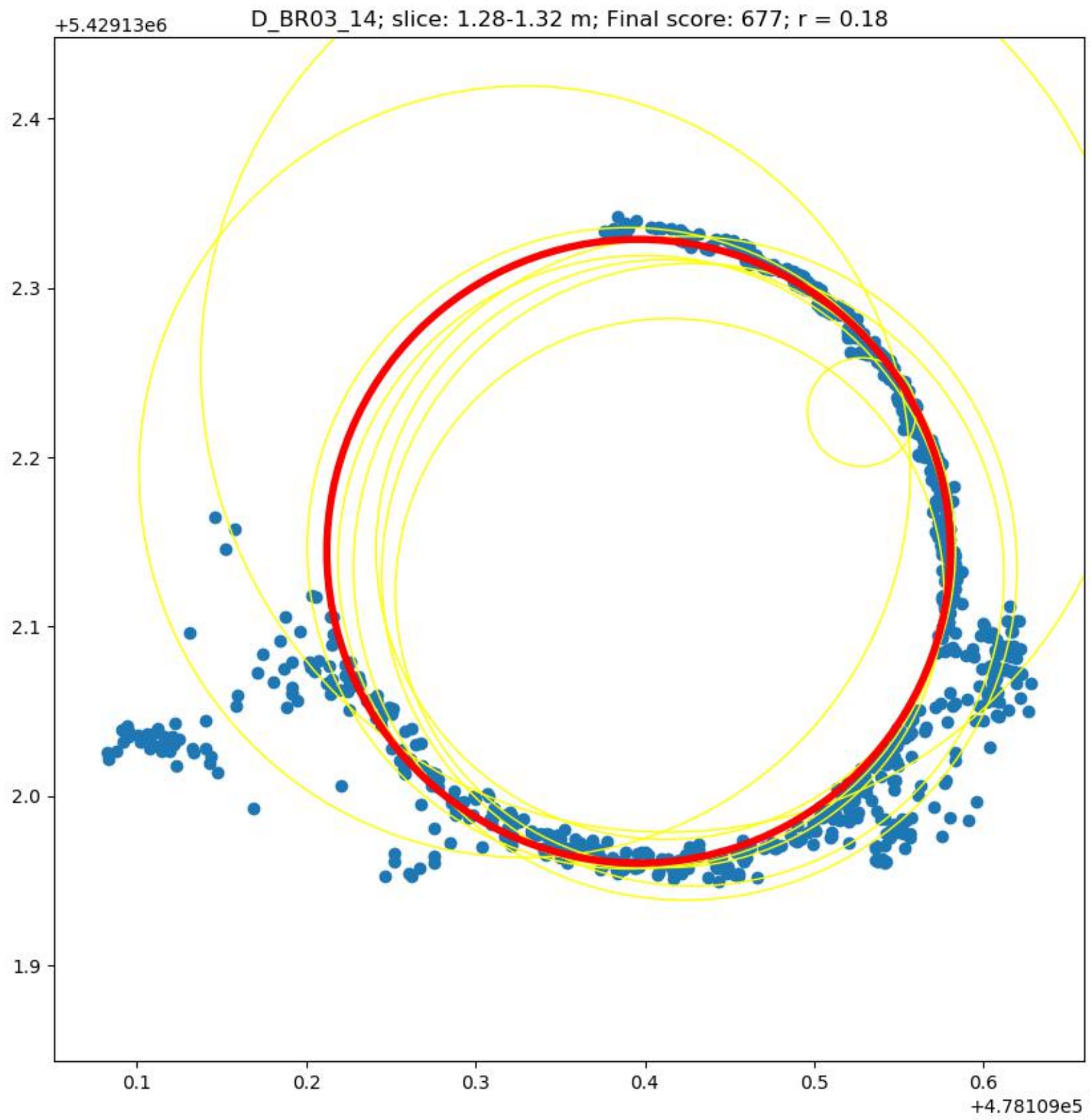
PseMen_BR03_13

+5.42911e6

D_BR03_13; slice: 1.28-1.32 m; Final score: 2386; $r = 0.15$

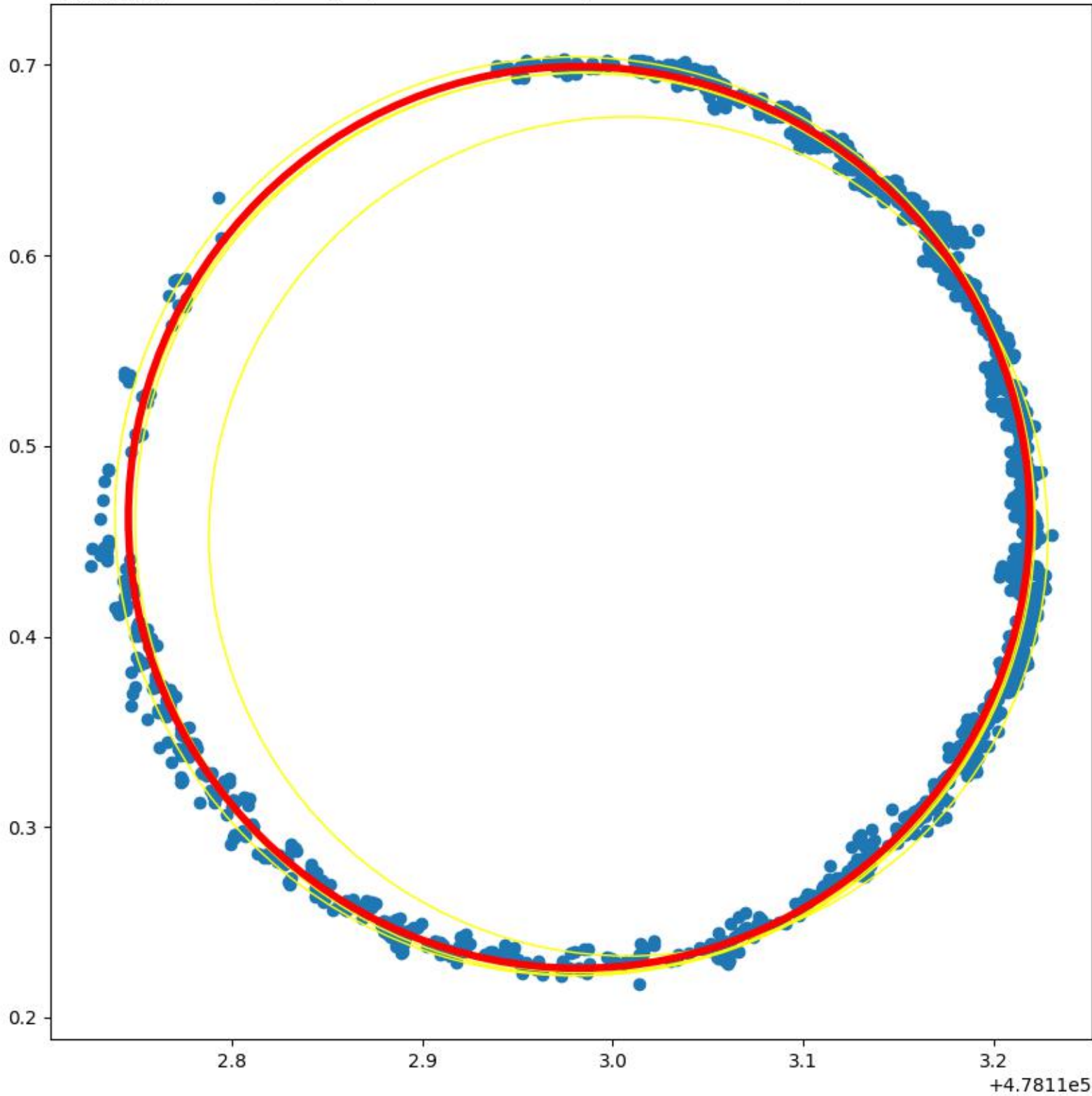


PseMen_BR03_14

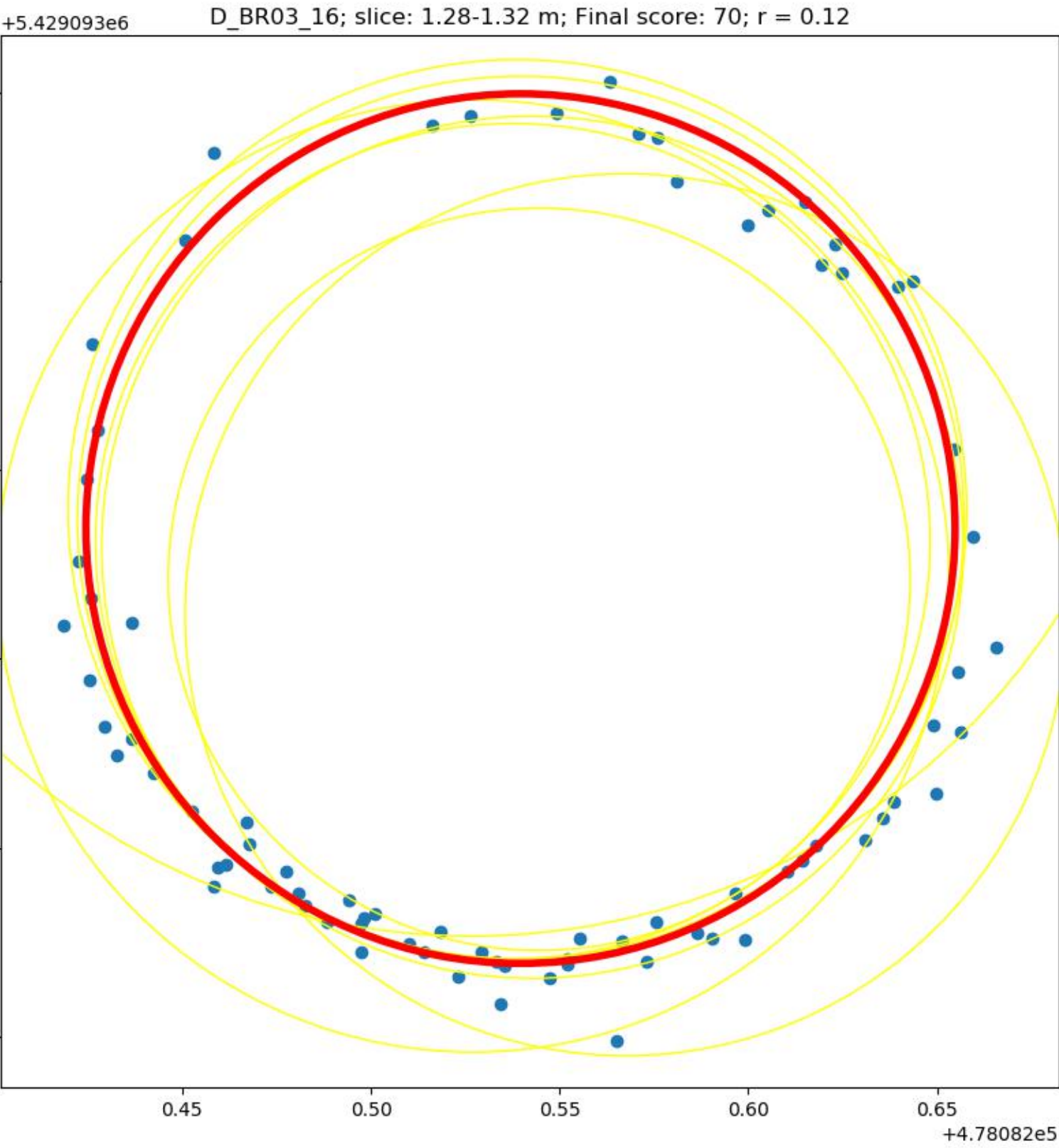


PseMen_BR03_15

+5.42913e6 D_BR03_15; slice: 1.28-1.32 m; Final score: 1391; r = 0.24

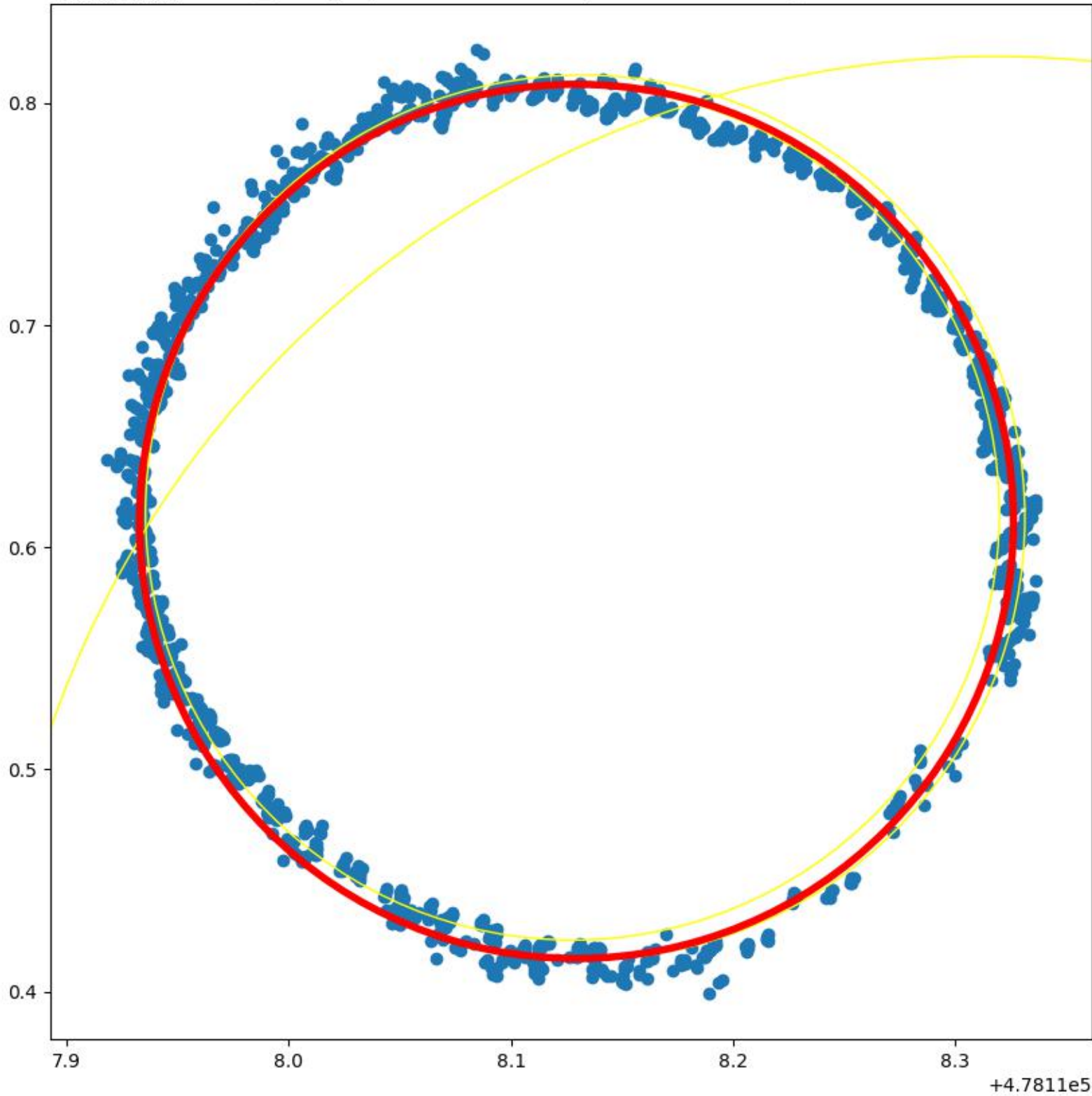


PseMen_BR03_16



PseMen_BR03_P3T1

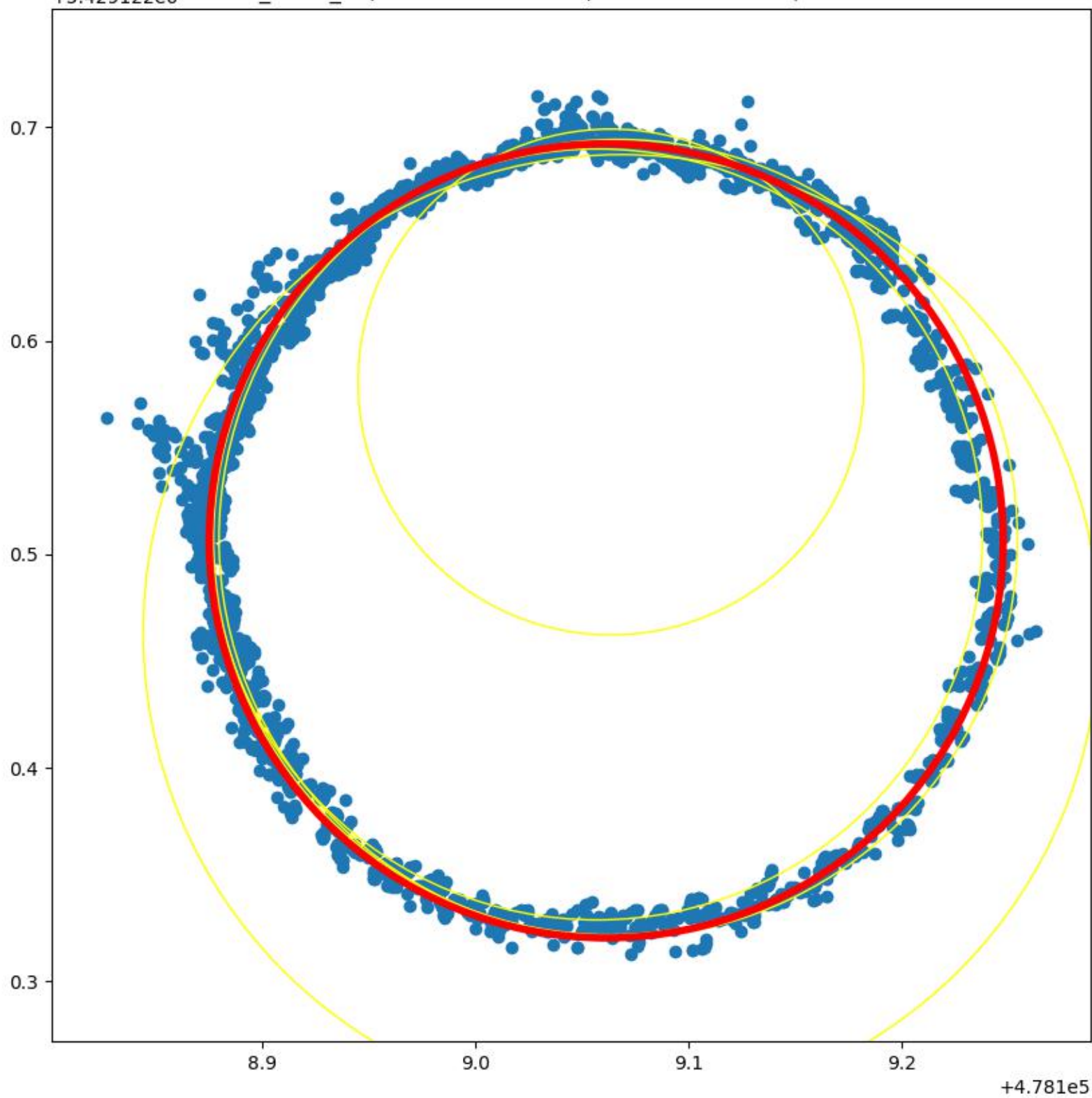
+5.429116e6 D_BR03_11; slice: 1.28-1.32 m; Final score: 1351; r = 0.20



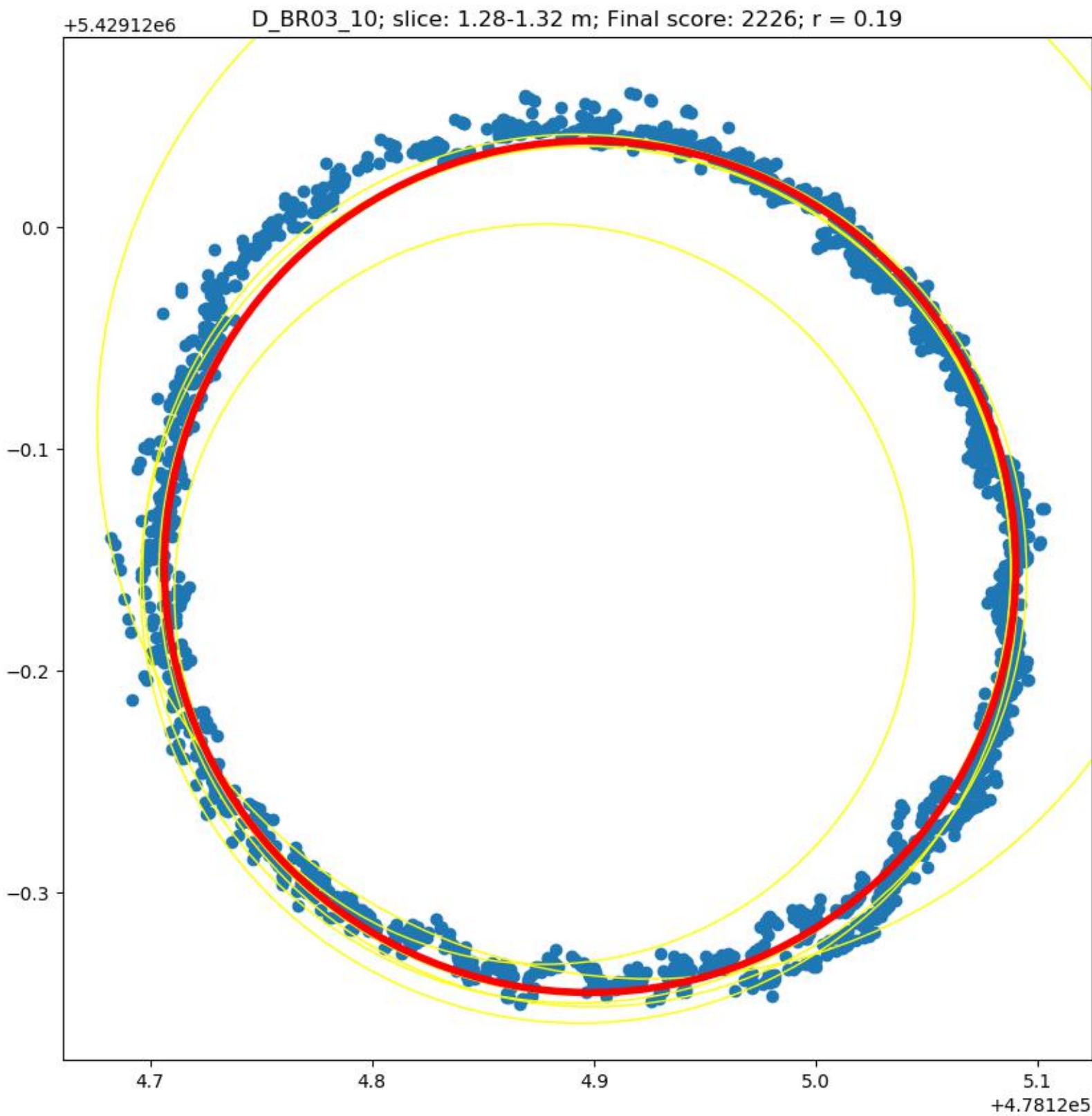
PseMen_BR03_P8T1

+5.429122e6

D_BR03_08; slice: 1.28-1.32 m; Final score: 3493; $r = 0.19$

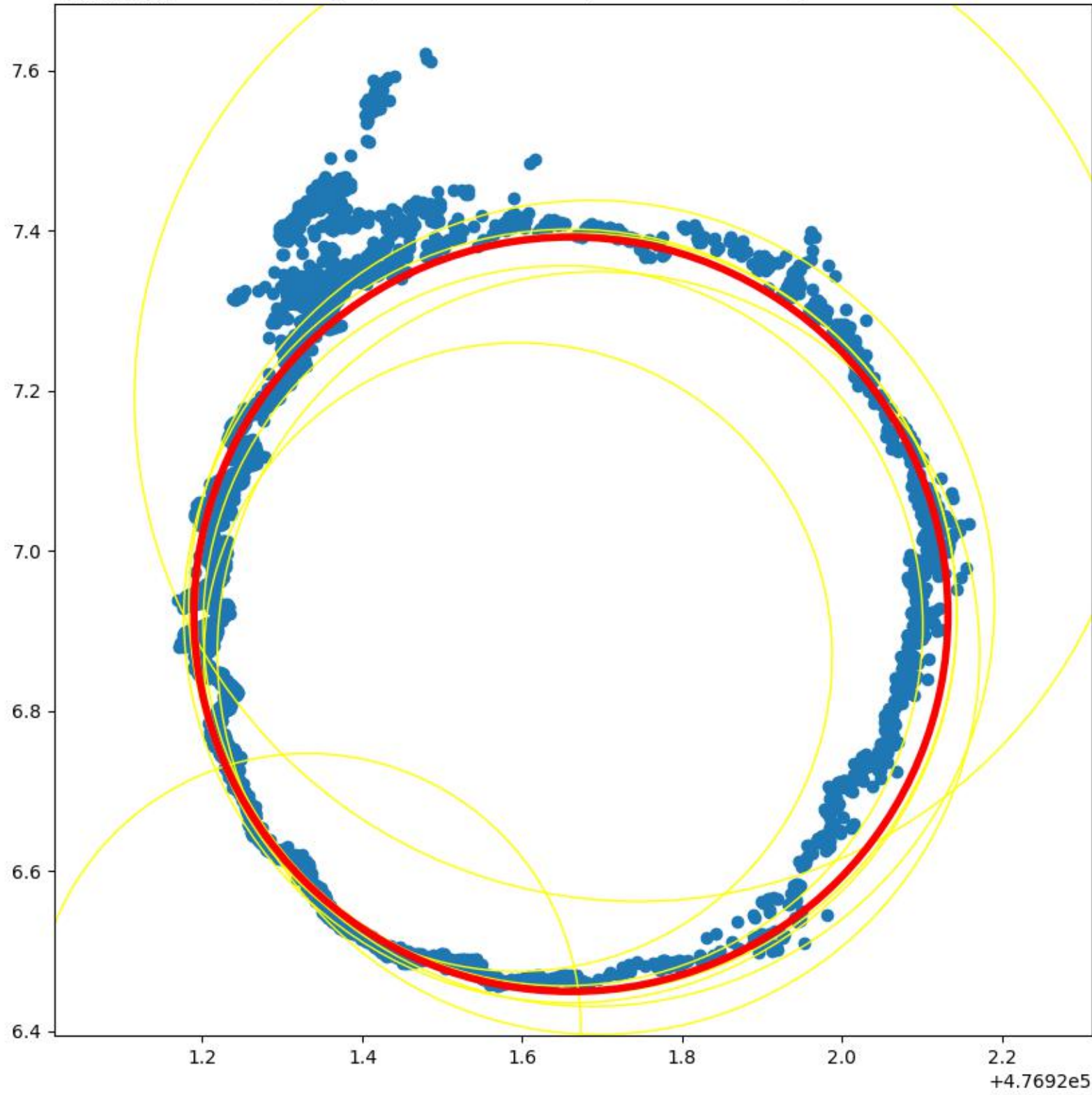


PseMen_BR03_P9Tree3



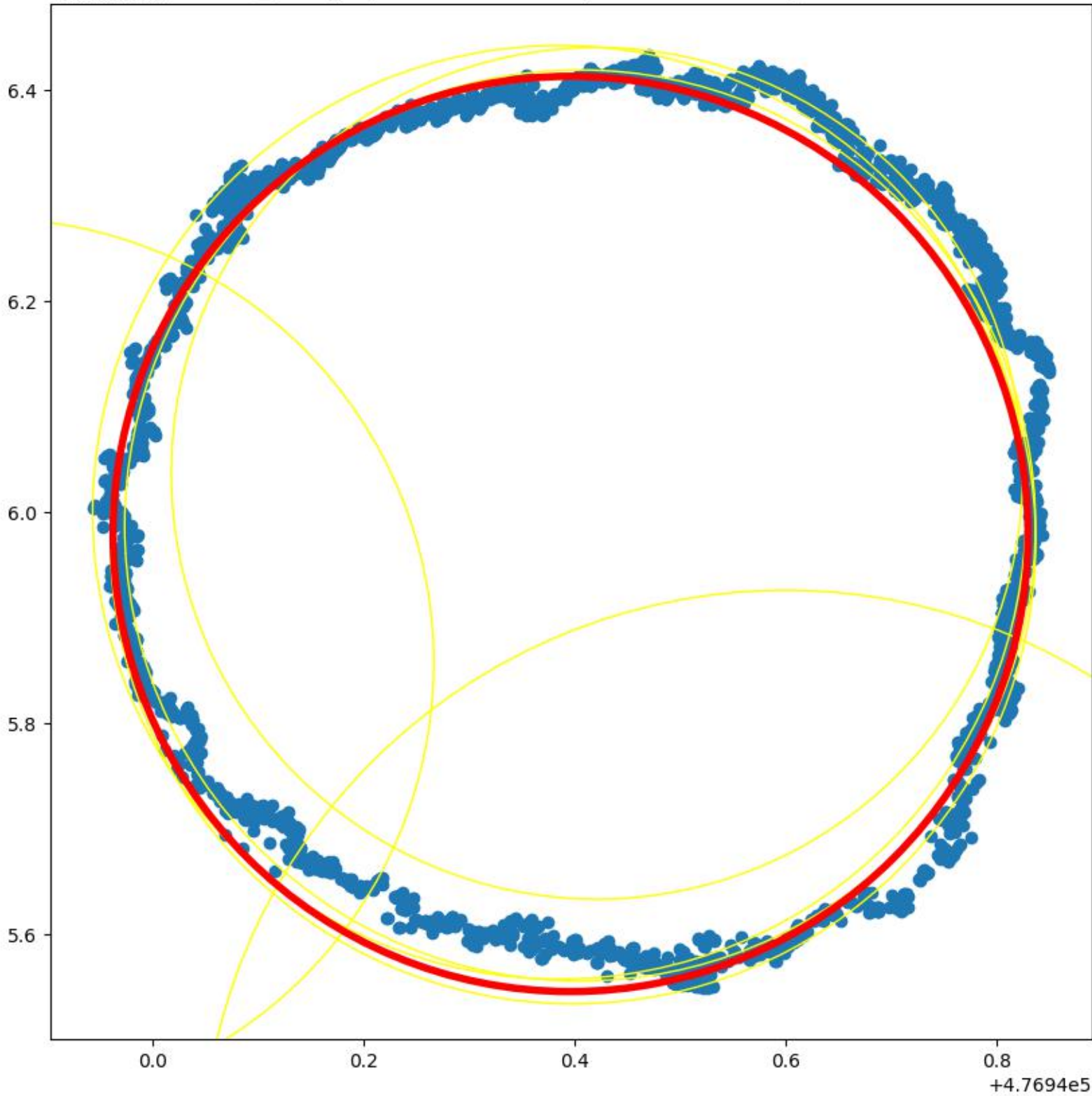
PseMen_BR04_01

+5.42919e6 D_BR01_01; slice: 1.28-1.32 m; Final score: 1711; r = 0.47



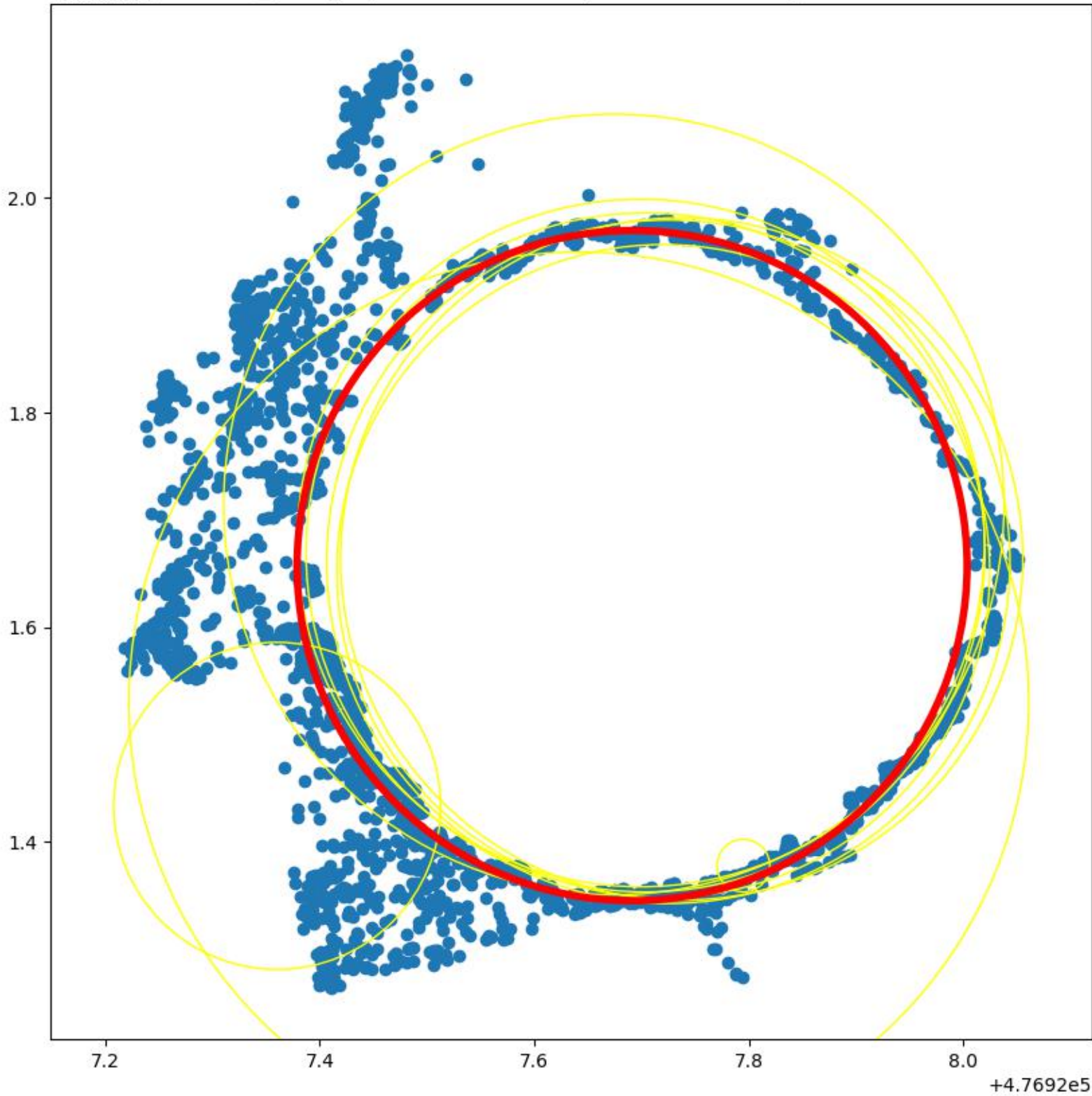
PseMen_BR04_02

+5.42921e6 D_BR01_02; slice: 1.28-1.32 m; Final score: 1539; r = 0.43

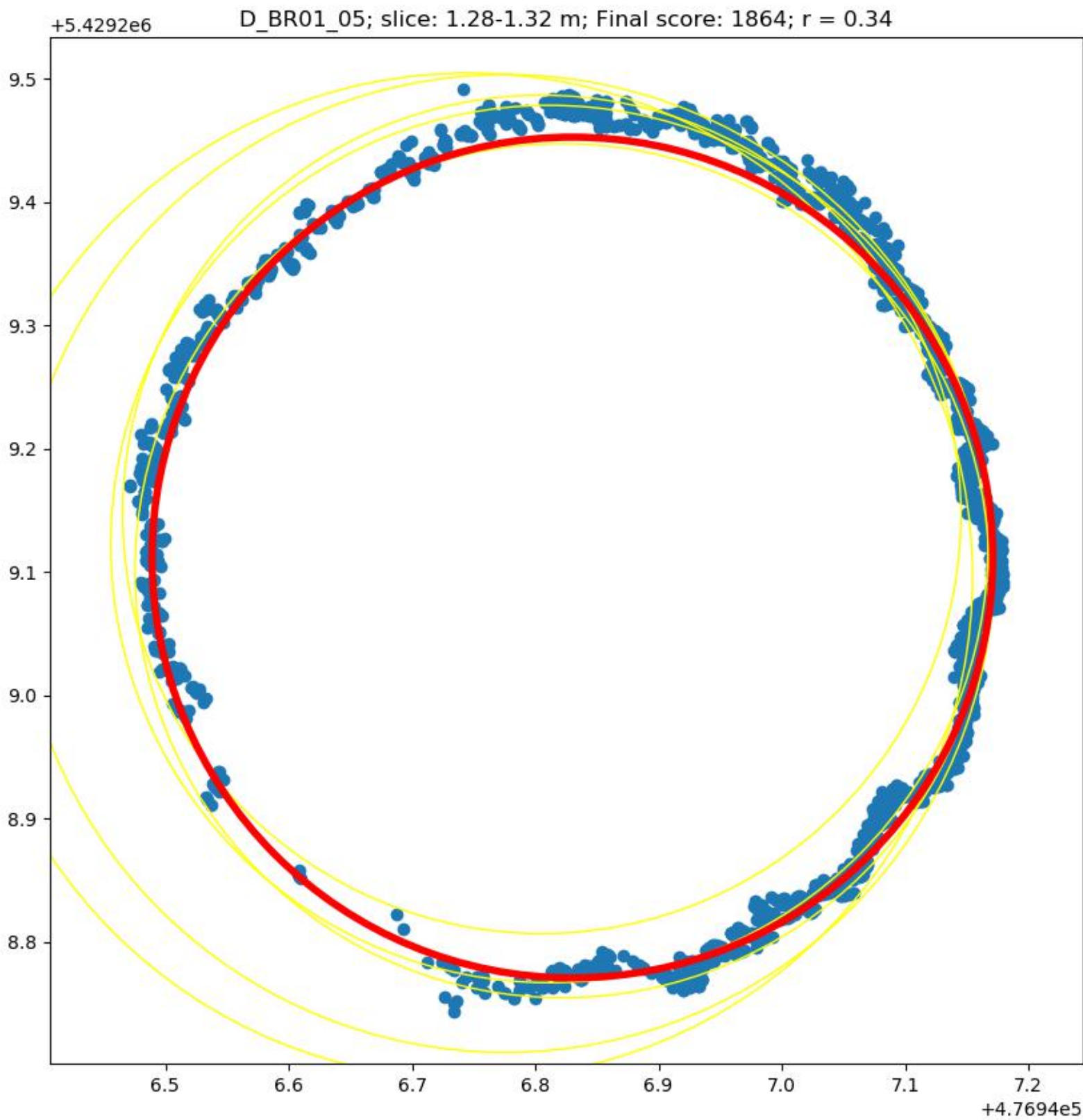


PseMen_BR04_04

+5.4292e6 D_BR01_04; slice: 1.28-1.32 m; Final score: 1199; $r = 0.31$

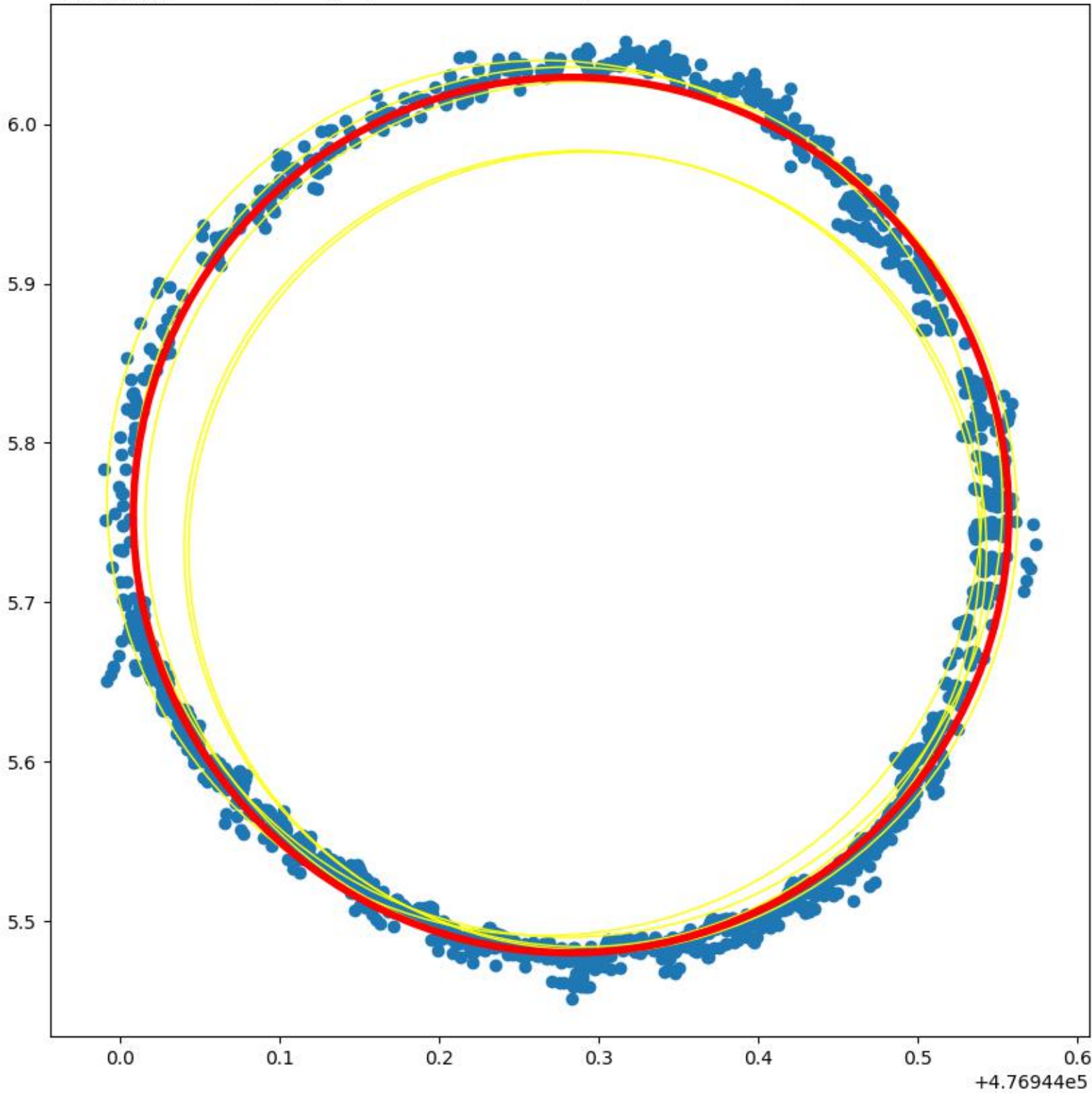


PseMen_BR04_05



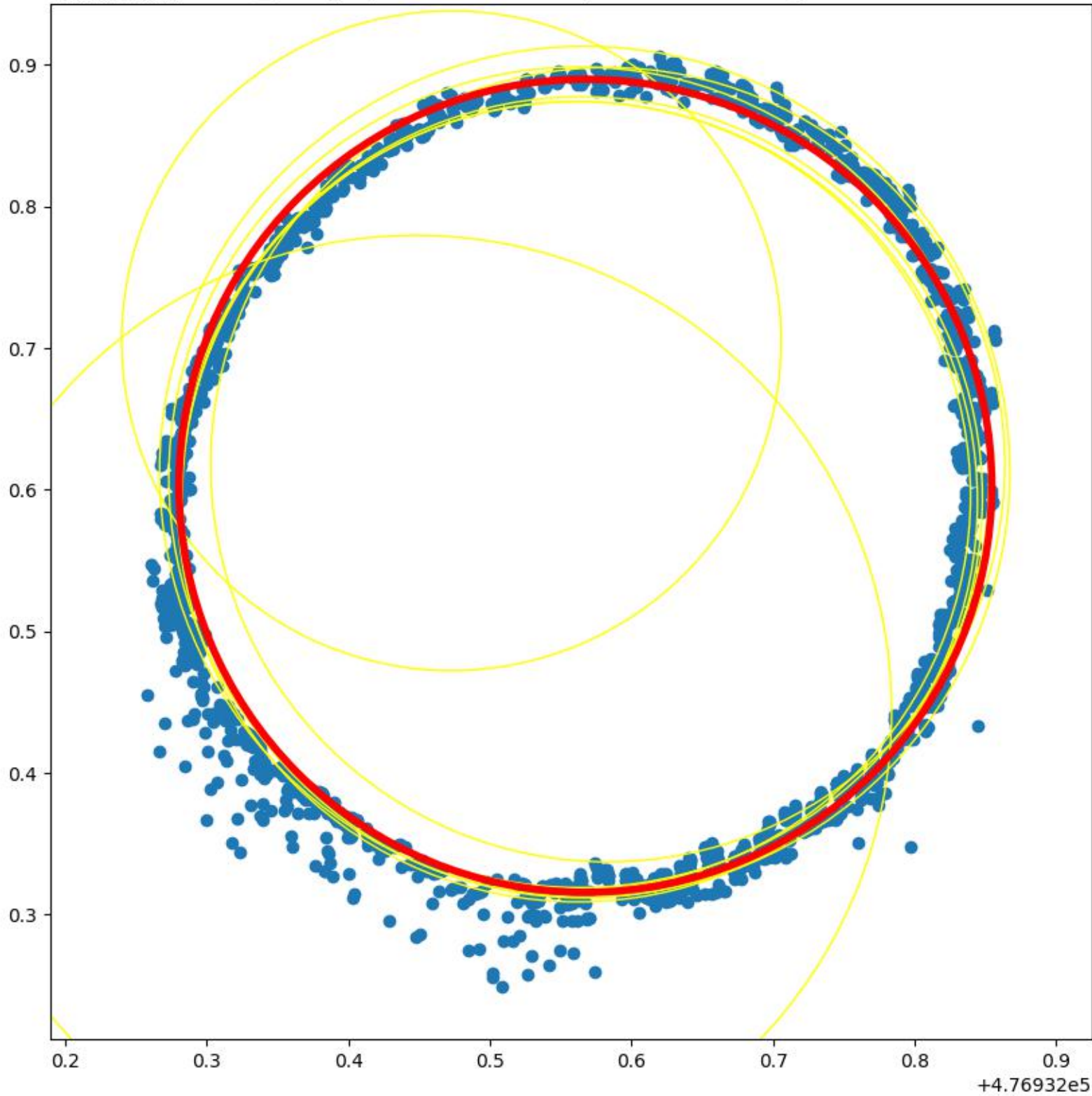
PseMen_BR04_06

+5.42919e6 D_BR01_06; slice: 1.28-1.32 m; Final score: 1680; $r = 0.27$

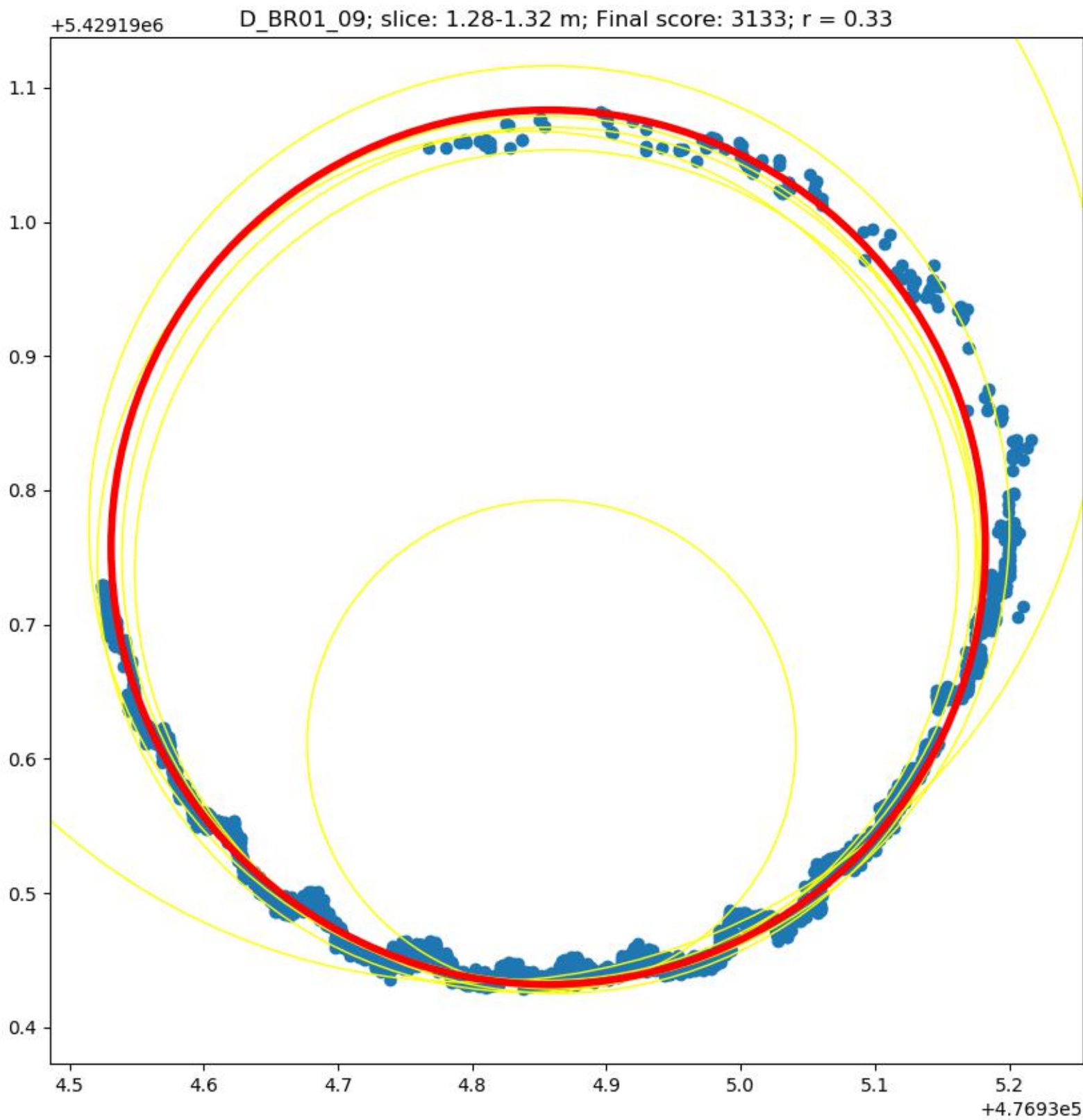


PseMen_BR04_07

+5.429199e6 D_BR01_07; slice: 1.28-1.32 m; Final score: 1271; r = 0.29



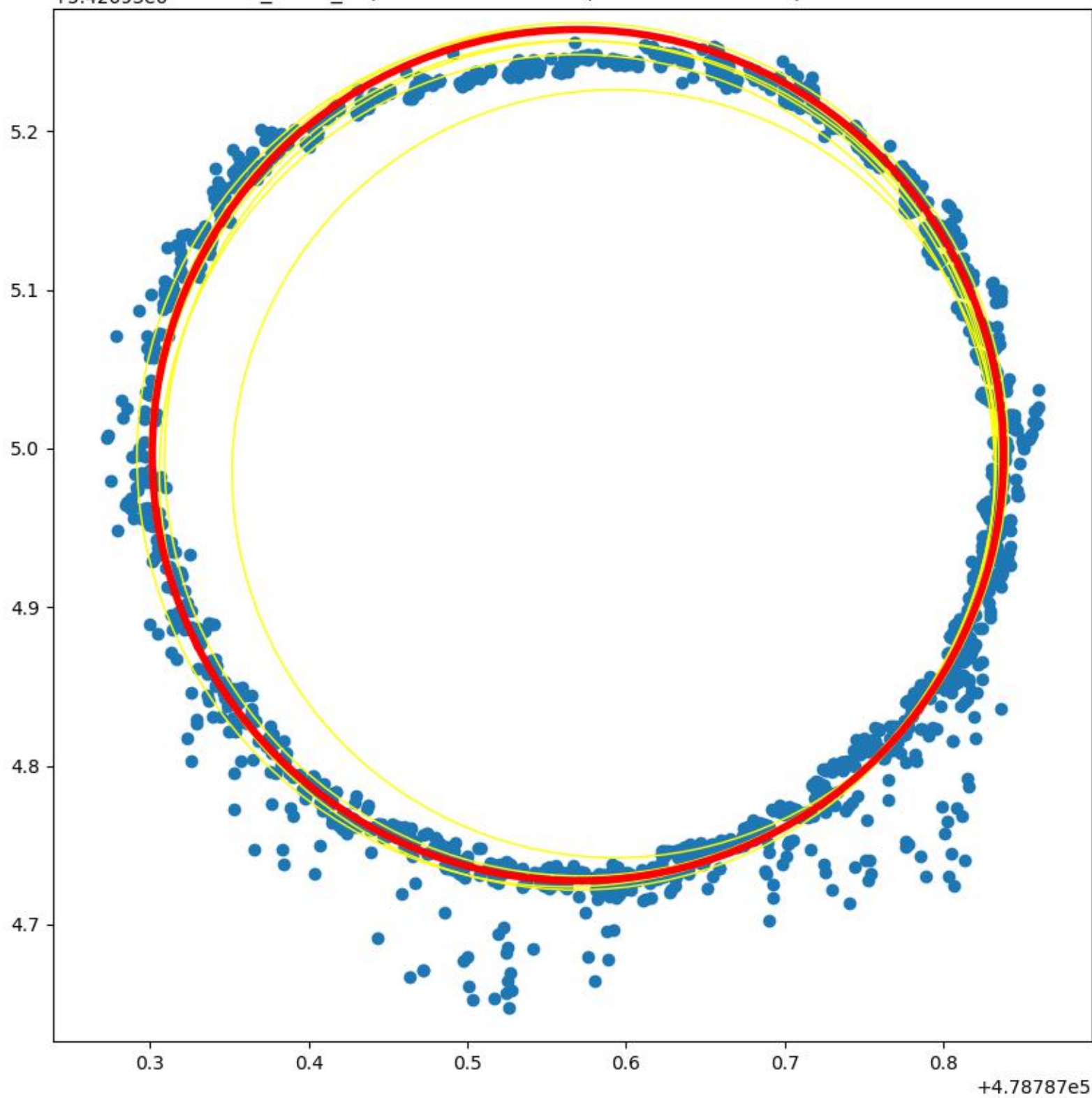
PseMen_BR04_09



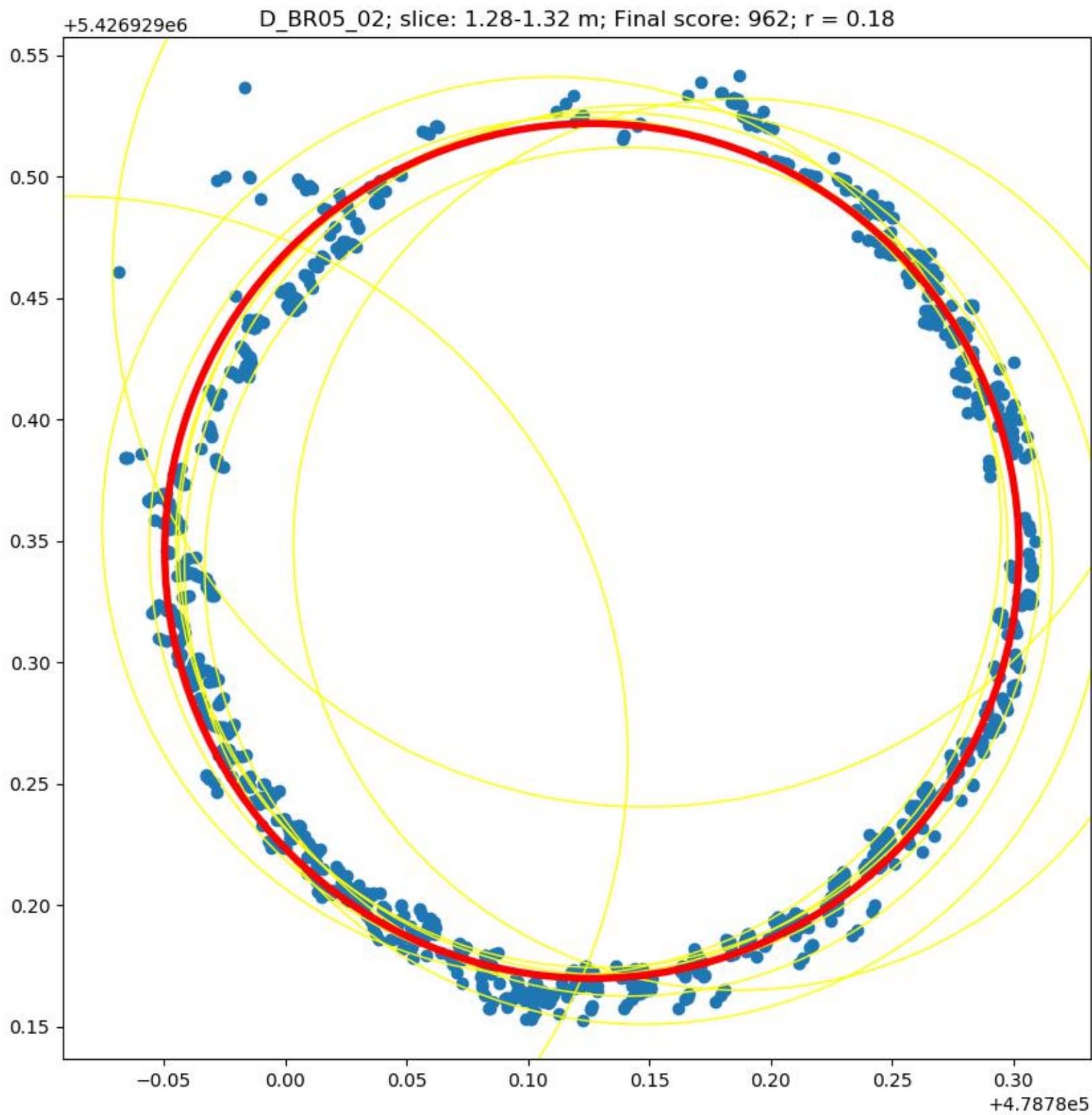
PseMen_BR05_01

+5.42693e6

D_BR05_01; slice: 1.28-1.32 m; Final score: 1685; $r = 0.27$

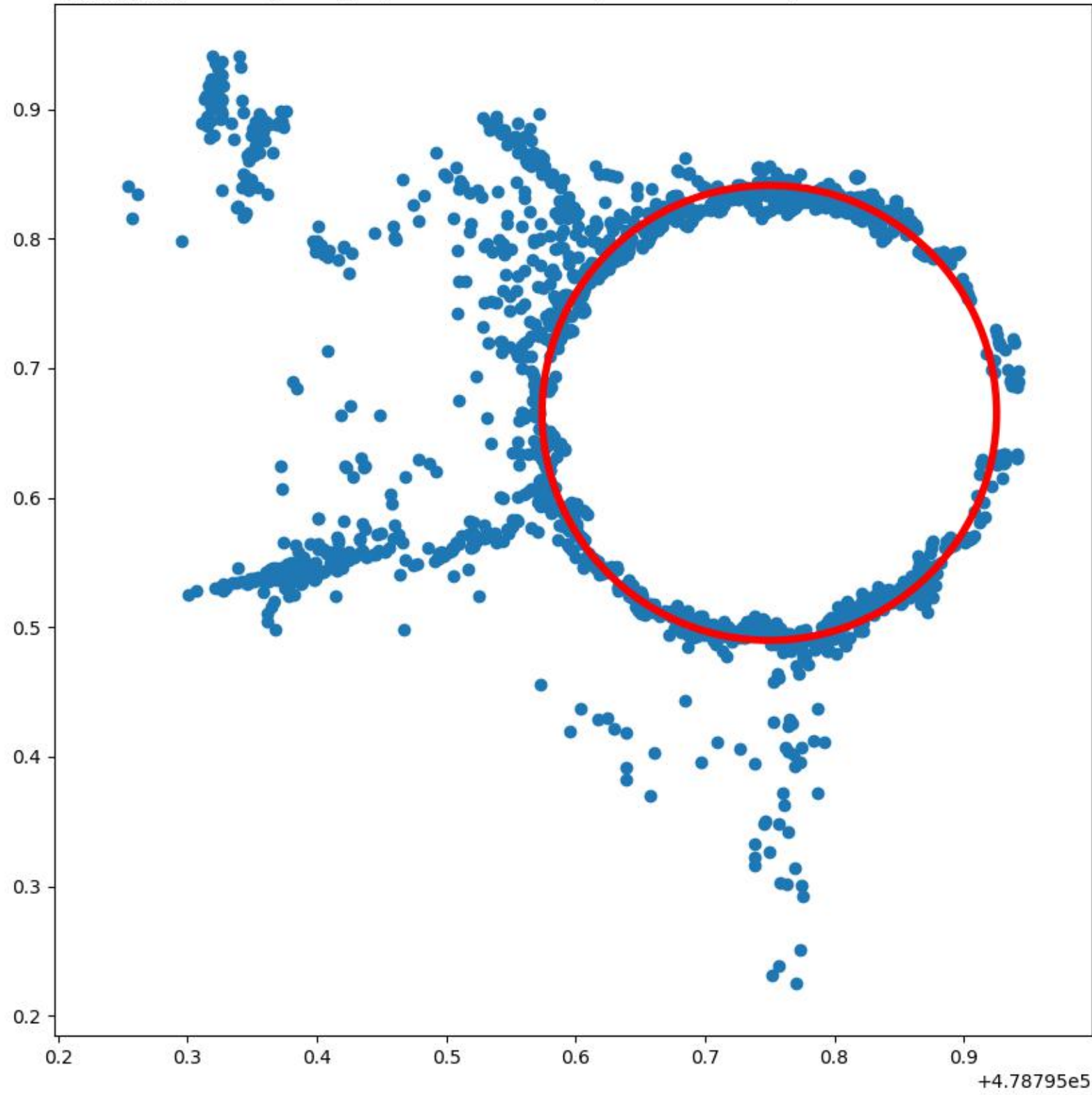


PseMen_BR05_02



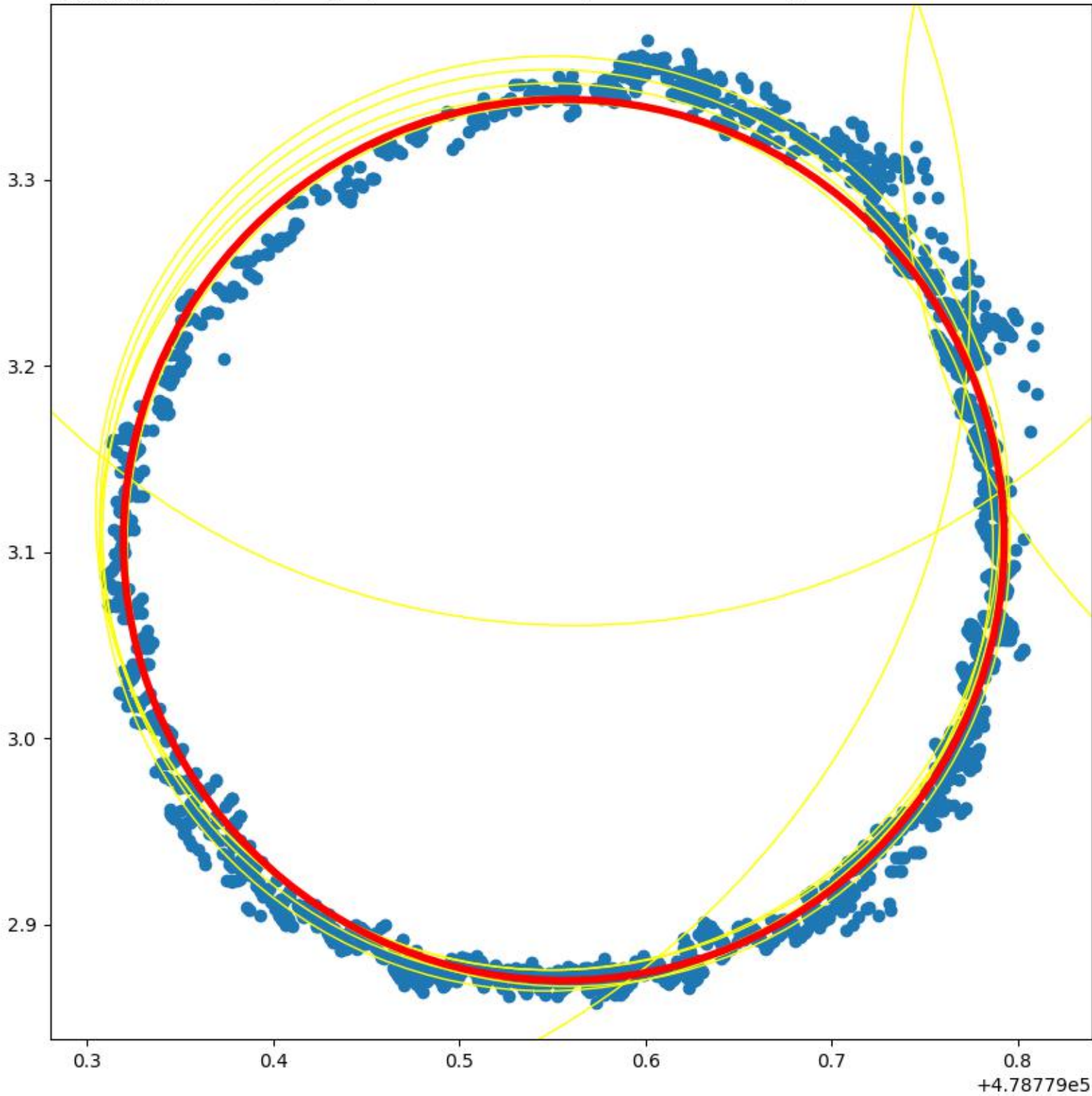
PseMen_BR05_03

+5.426938e6 D_BR05_03; slice: 1.28-1.32 m; Final score: 962; r = 0.18

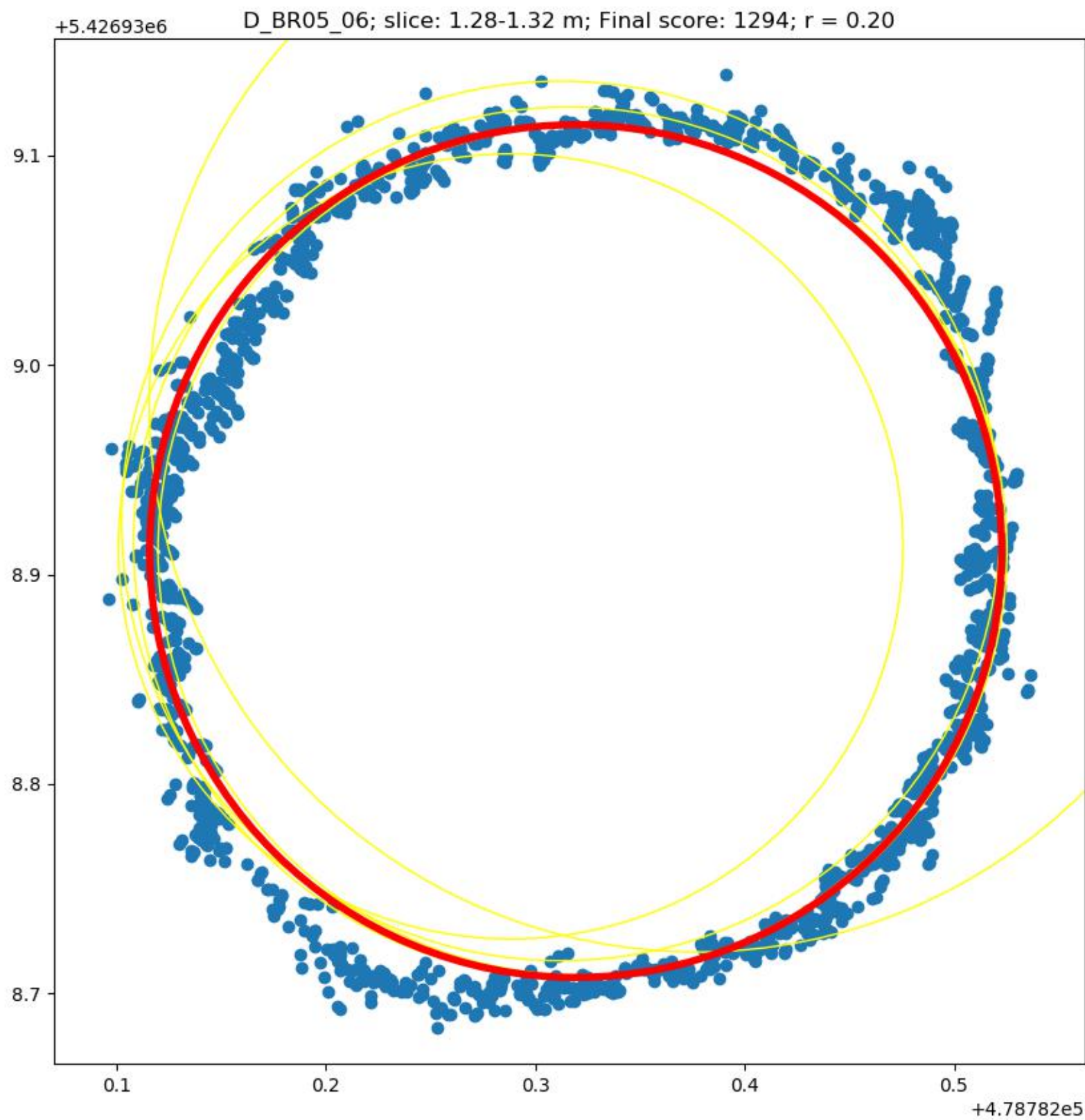


PseMen_BR05_04

+5.42692e6 D_BR05_04; slice: 1.28-1.32 m; Final score: 1969; $r = 0.24$

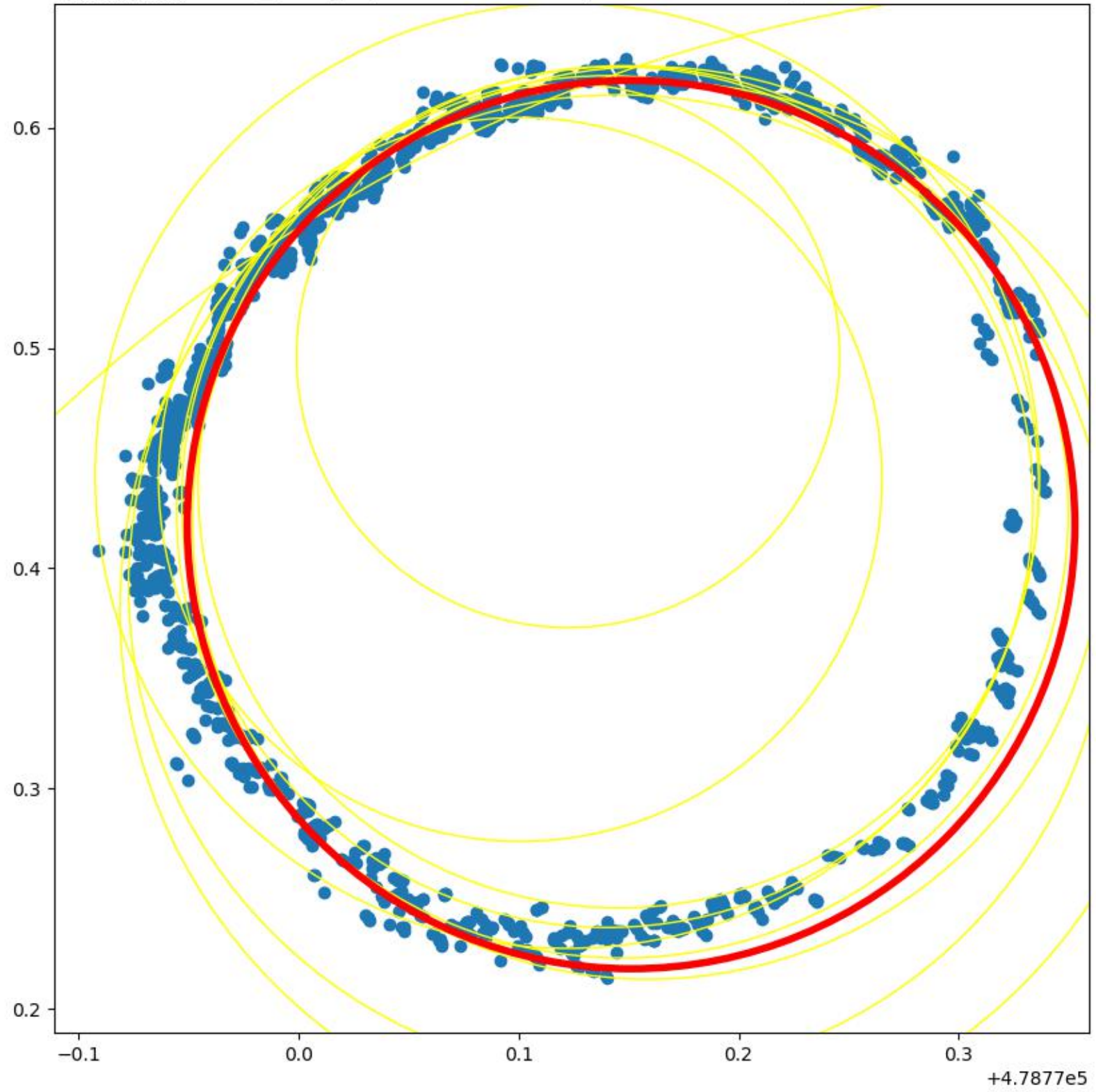


PseMen_BR05_06



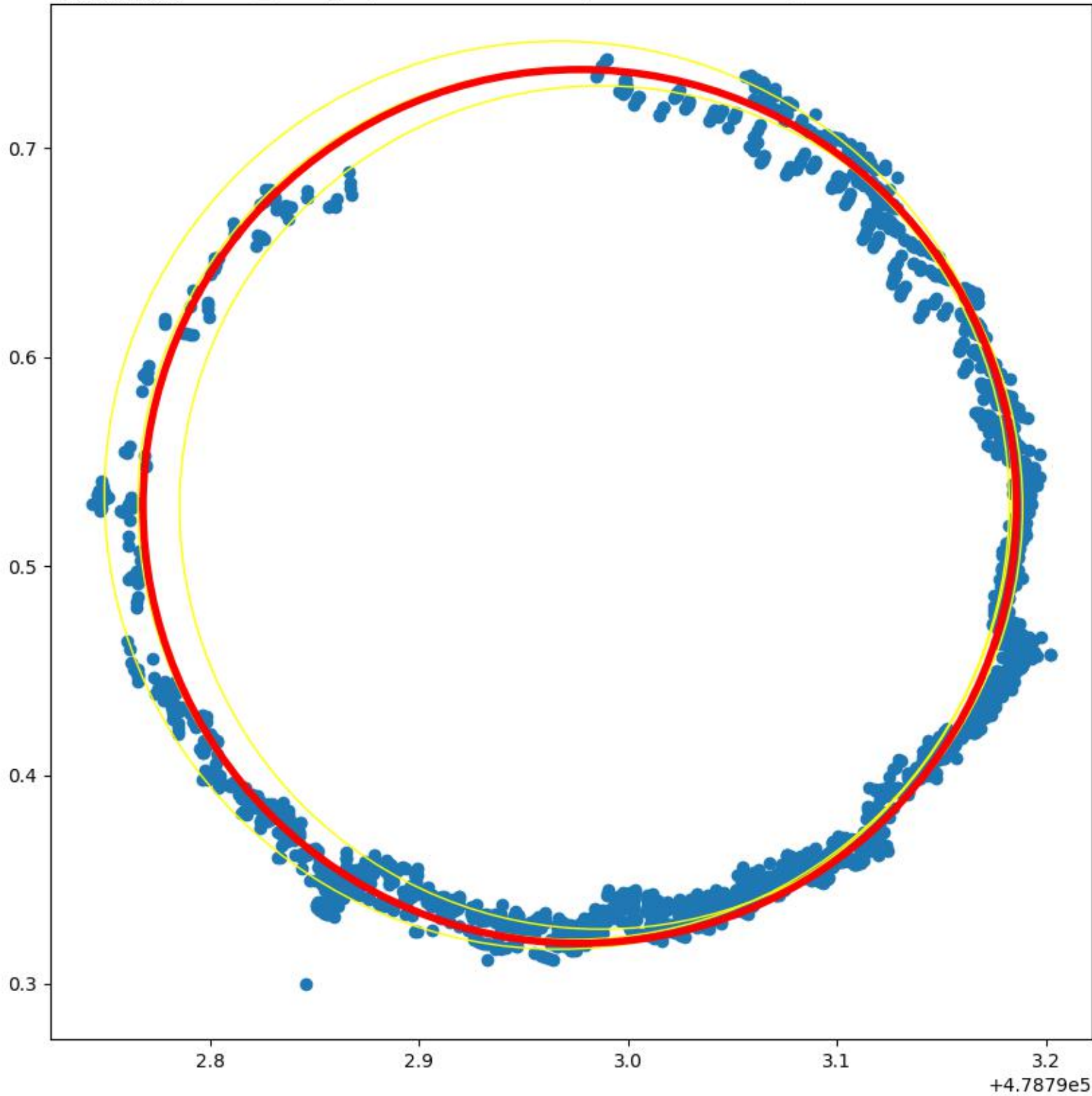
PseMen_BR05_07

+5.426938e6 D_BR05_07; slice: 1.28-1.32 m; Final score: 1214; r = 0.20

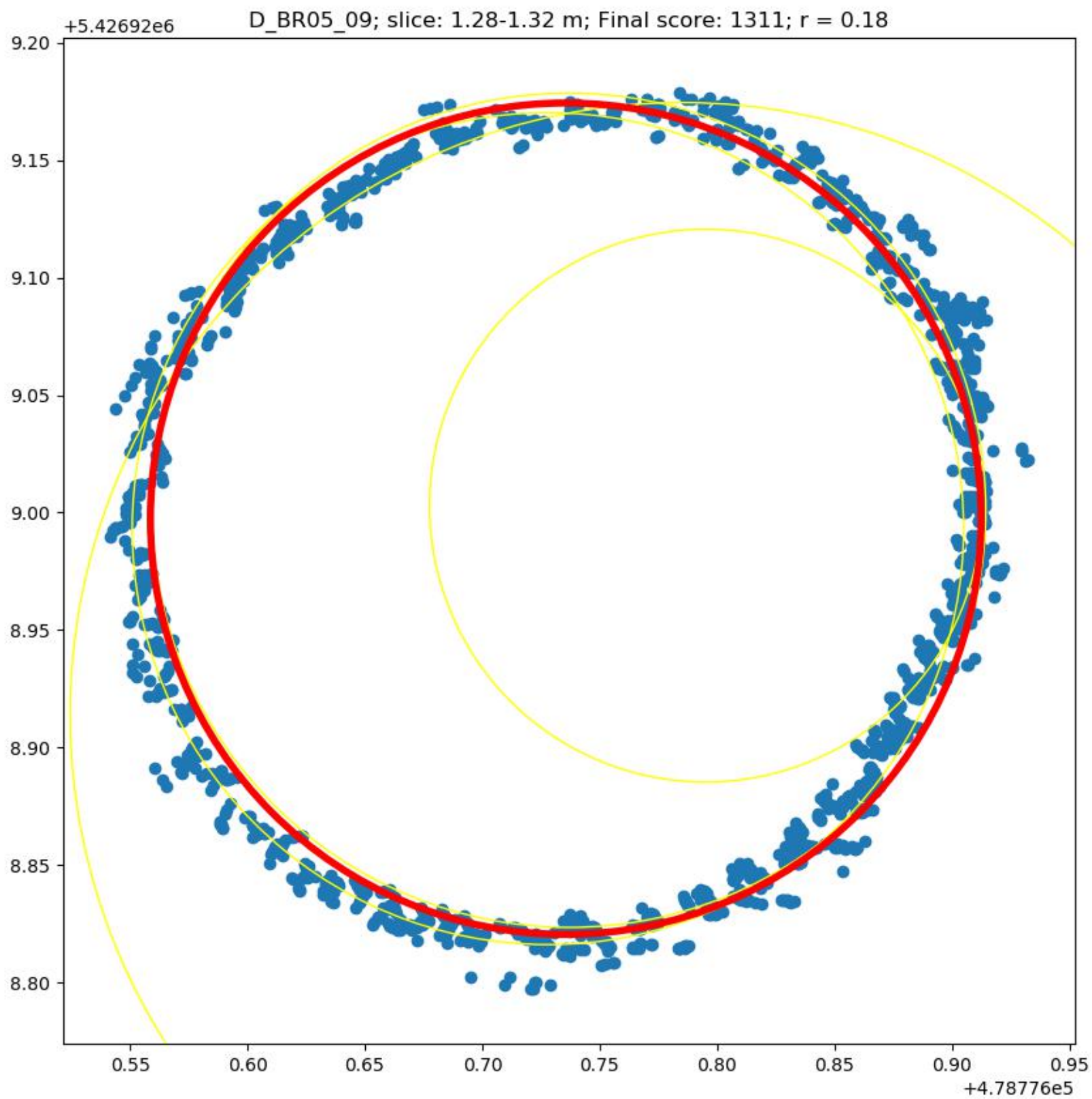


PseMen_BR05_08

+5.426929e6 D_BR05_08; slice: 1.28-1.32 m; Final score: 2147; r = 0.21

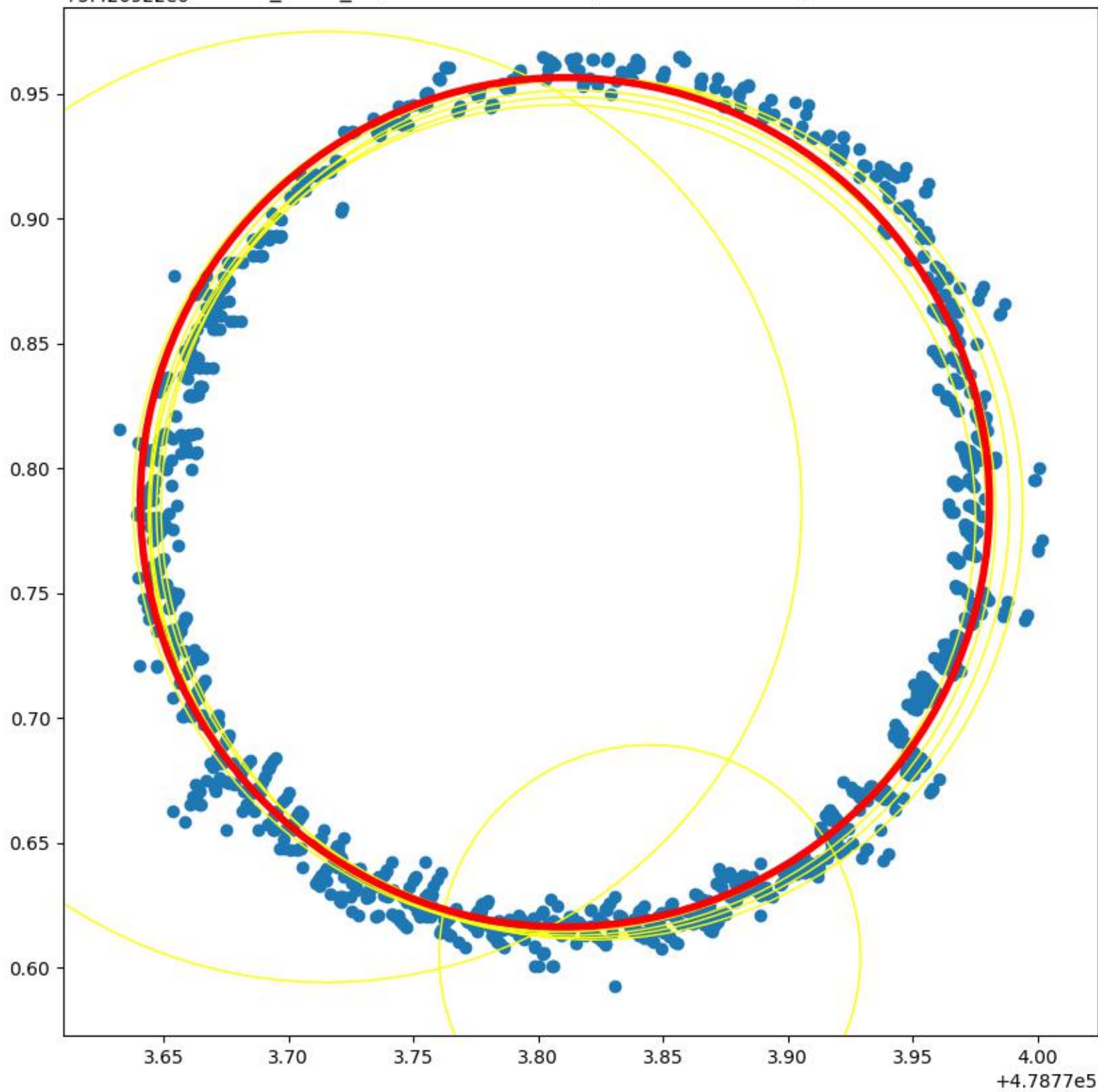


PseMen_BR05_09

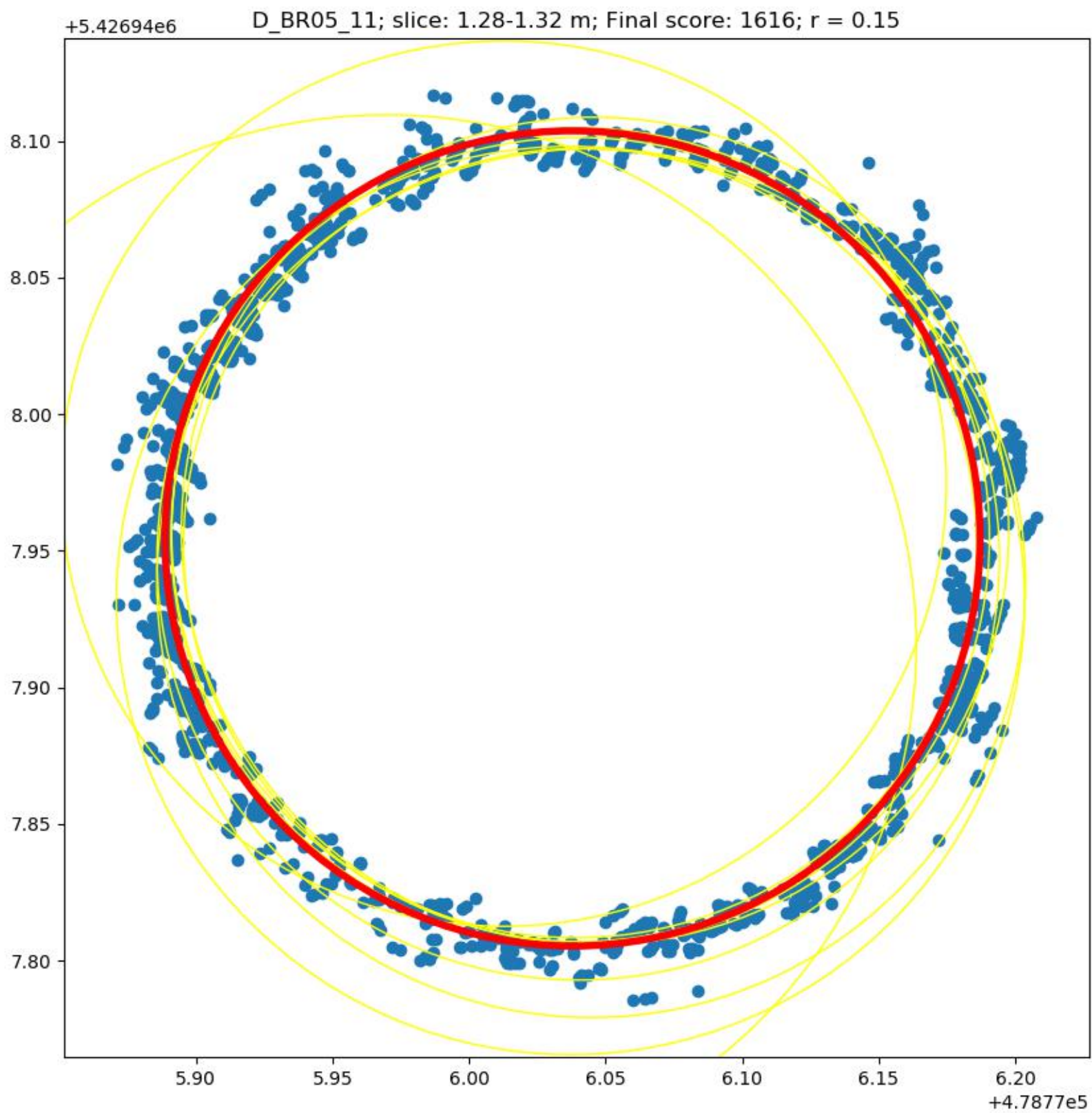


PseMen_BR05_10

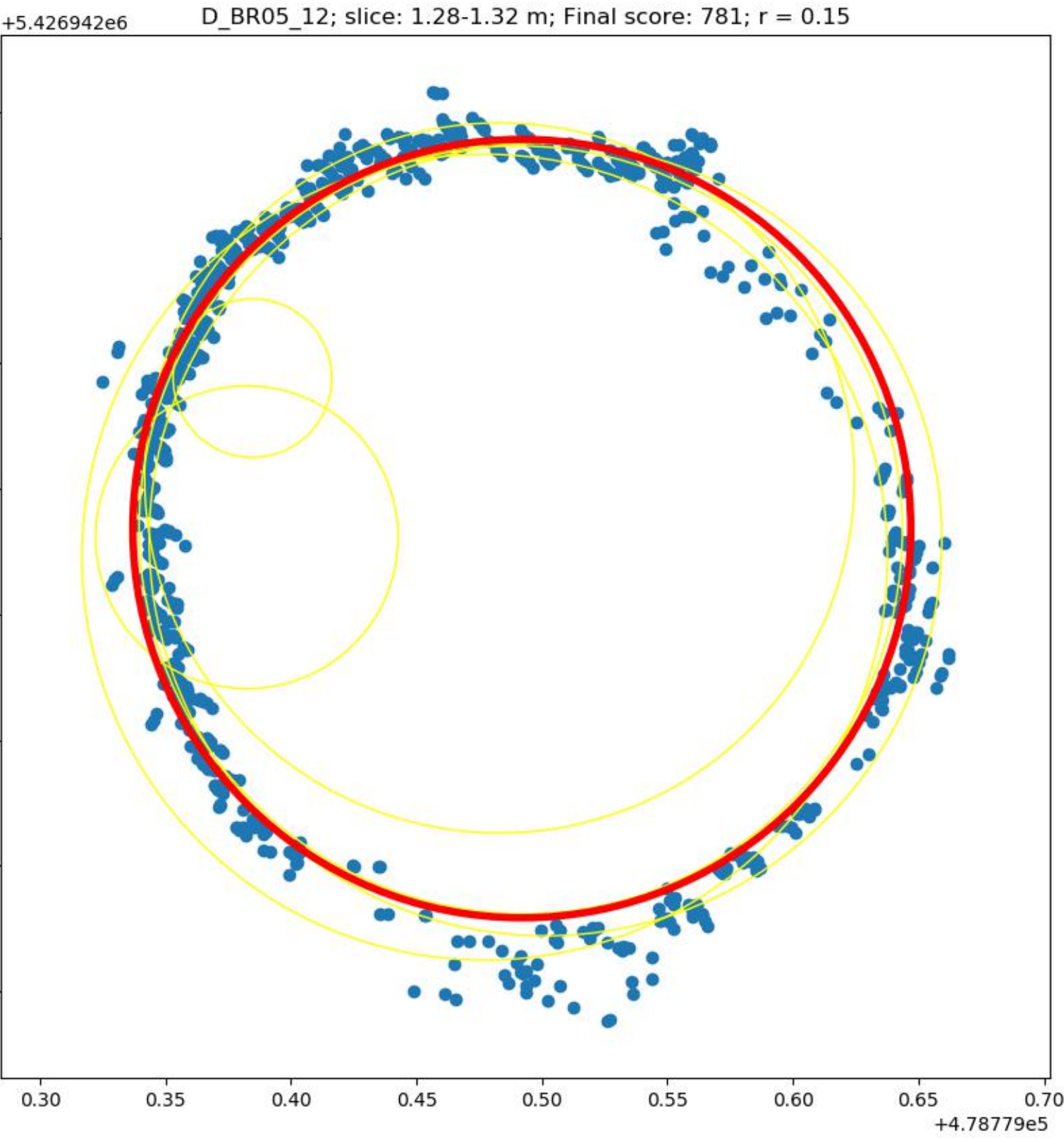
+5.426922e6 D_BR05_10; slice: 1.28-1.32 m; Final score: 1104; $r = 0.17$



PseMen_BR05_11



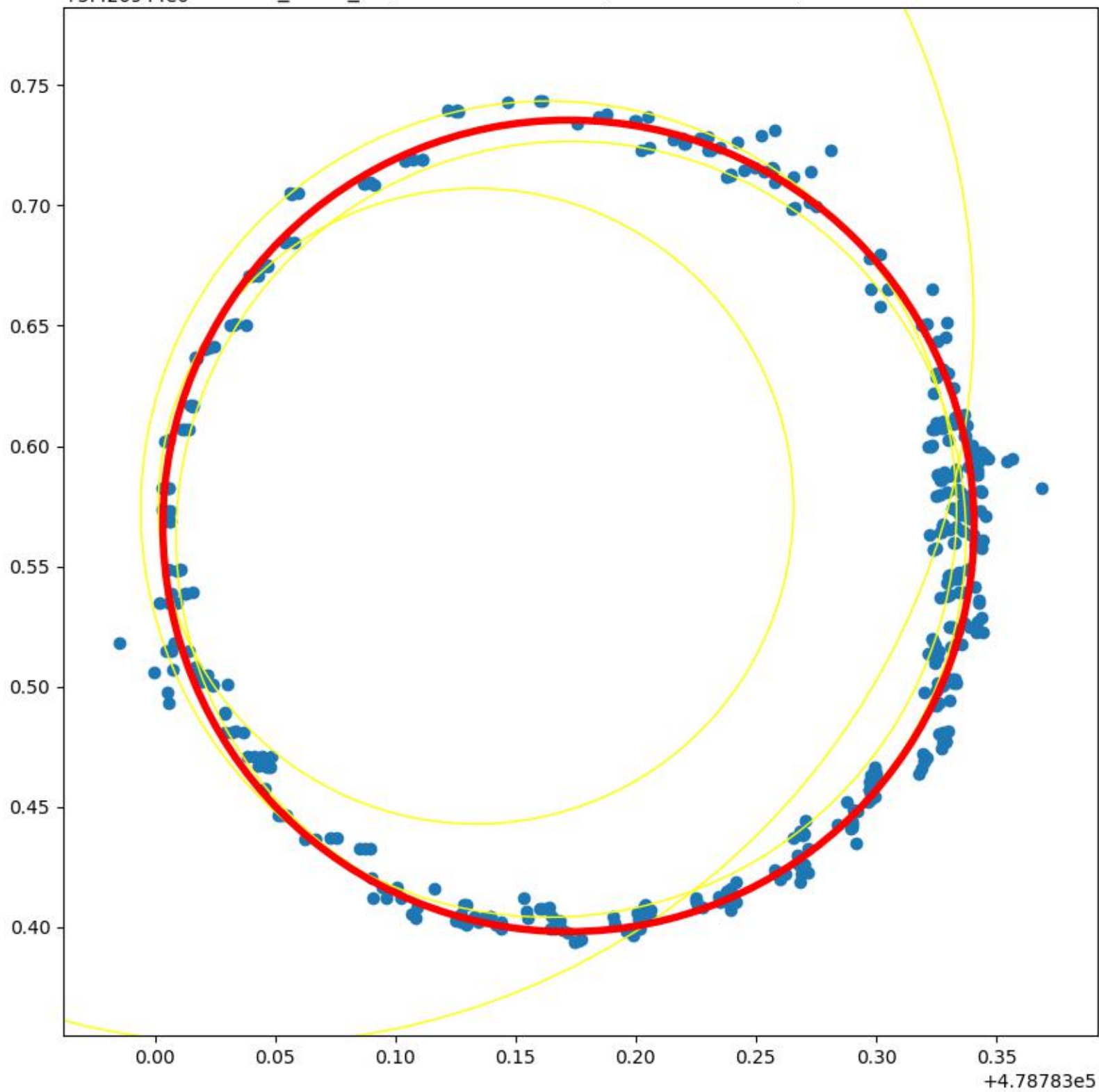
PseMen_BR05_12



PseMen_BR05_13

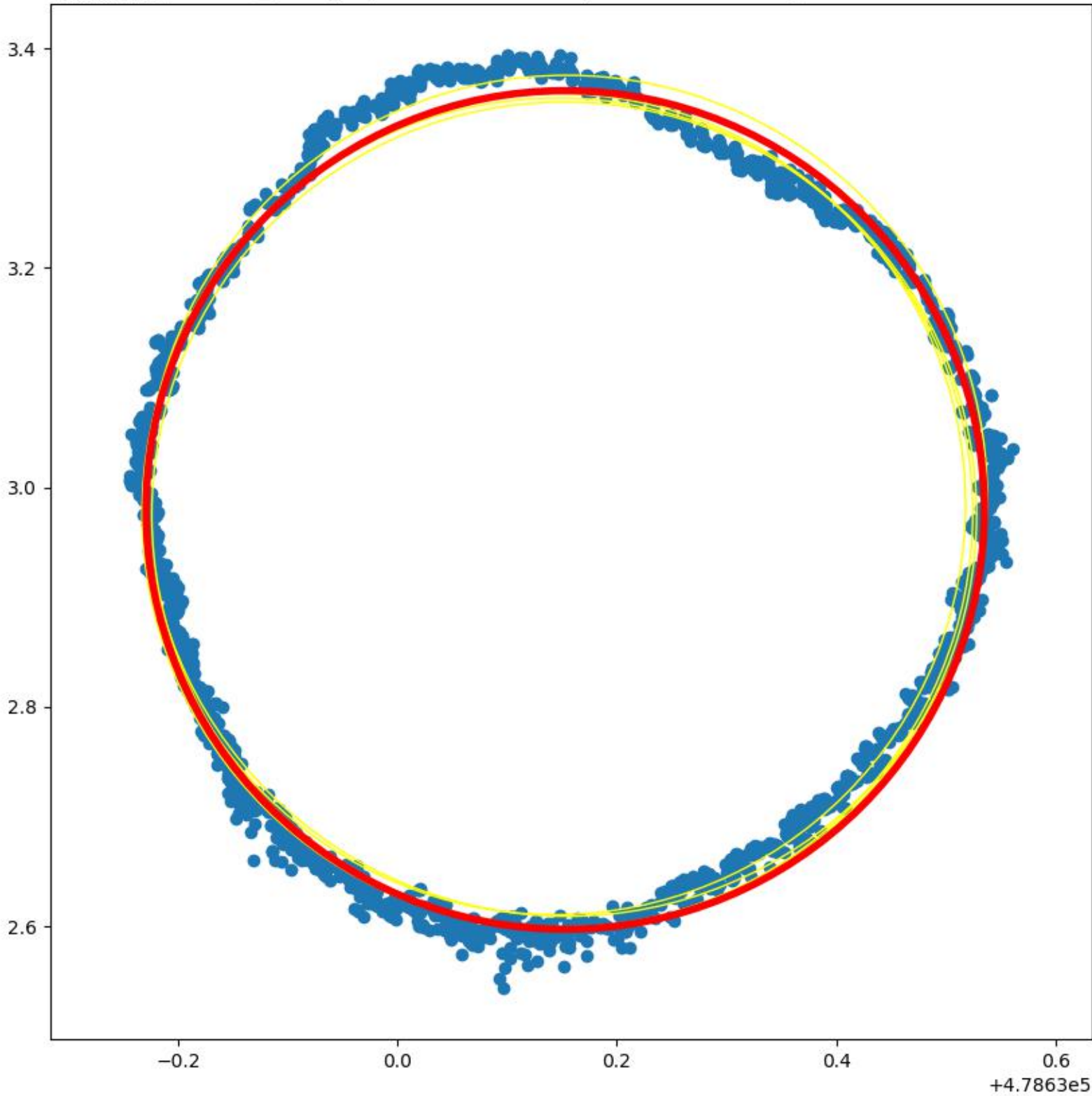
+5.426944e6

D_BR05_13; slice: 1.28-1.32 m; Final score: 379; $r = 0.17$



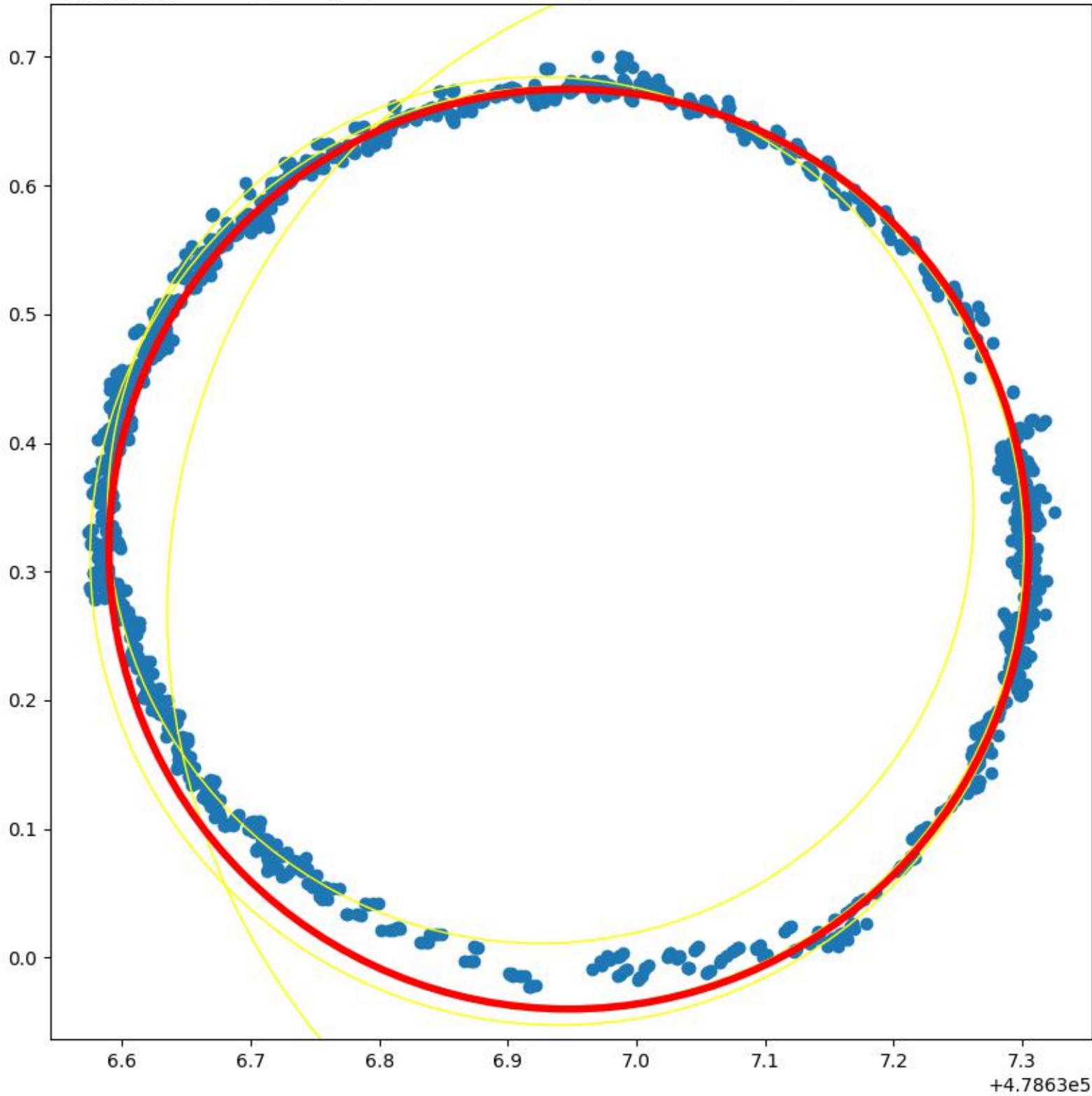
PseMen_BR07_01

+5.42717e6 D_BR07_01; slice: 1.28-1.32 m; Final score: 1297; $r = 0.38$



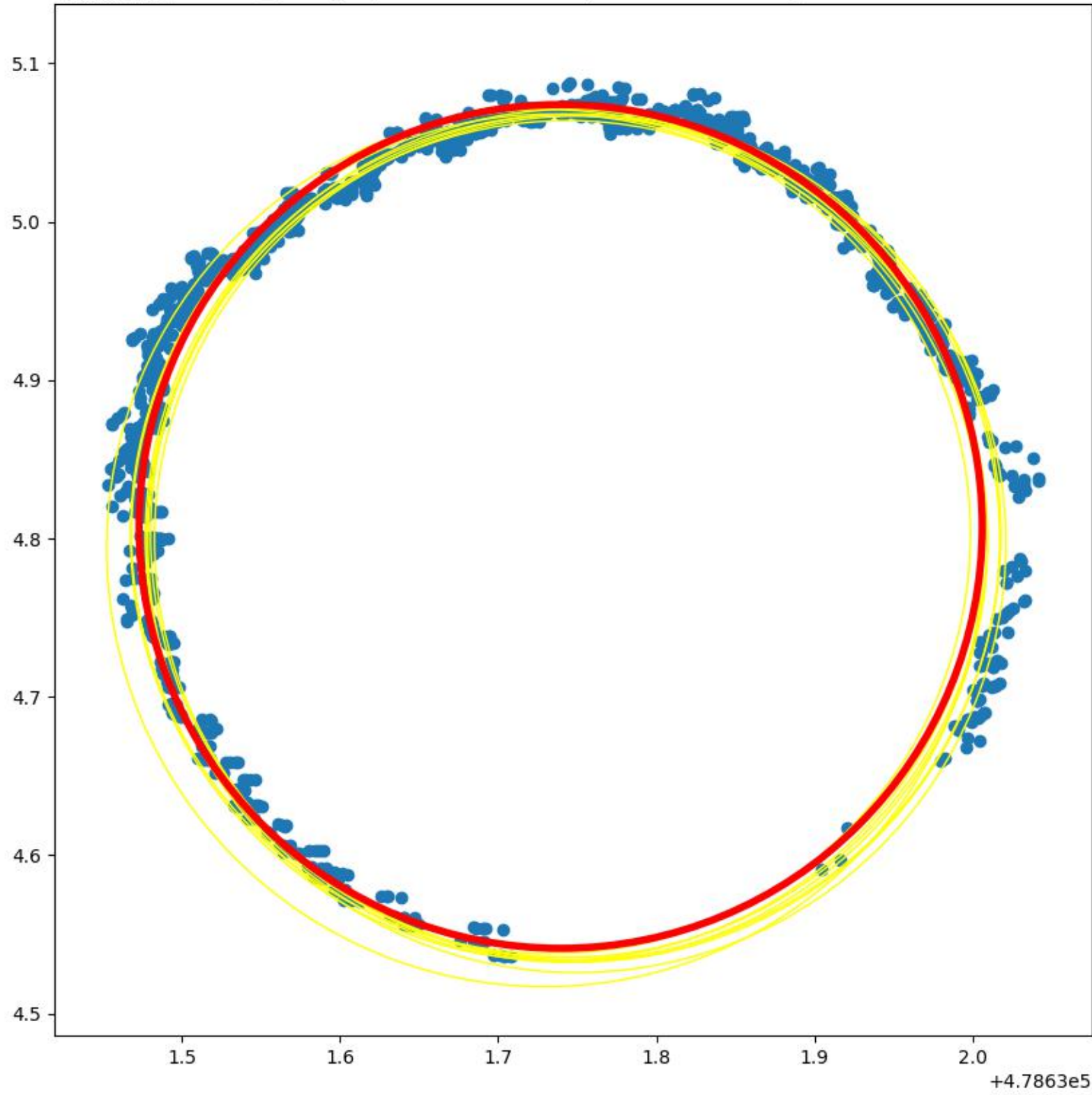
PseMen_BR07_05

+5.427175e6 D_BR07_05; slice: 1.28-1.32 m; Final score: 1372; r = 0.36



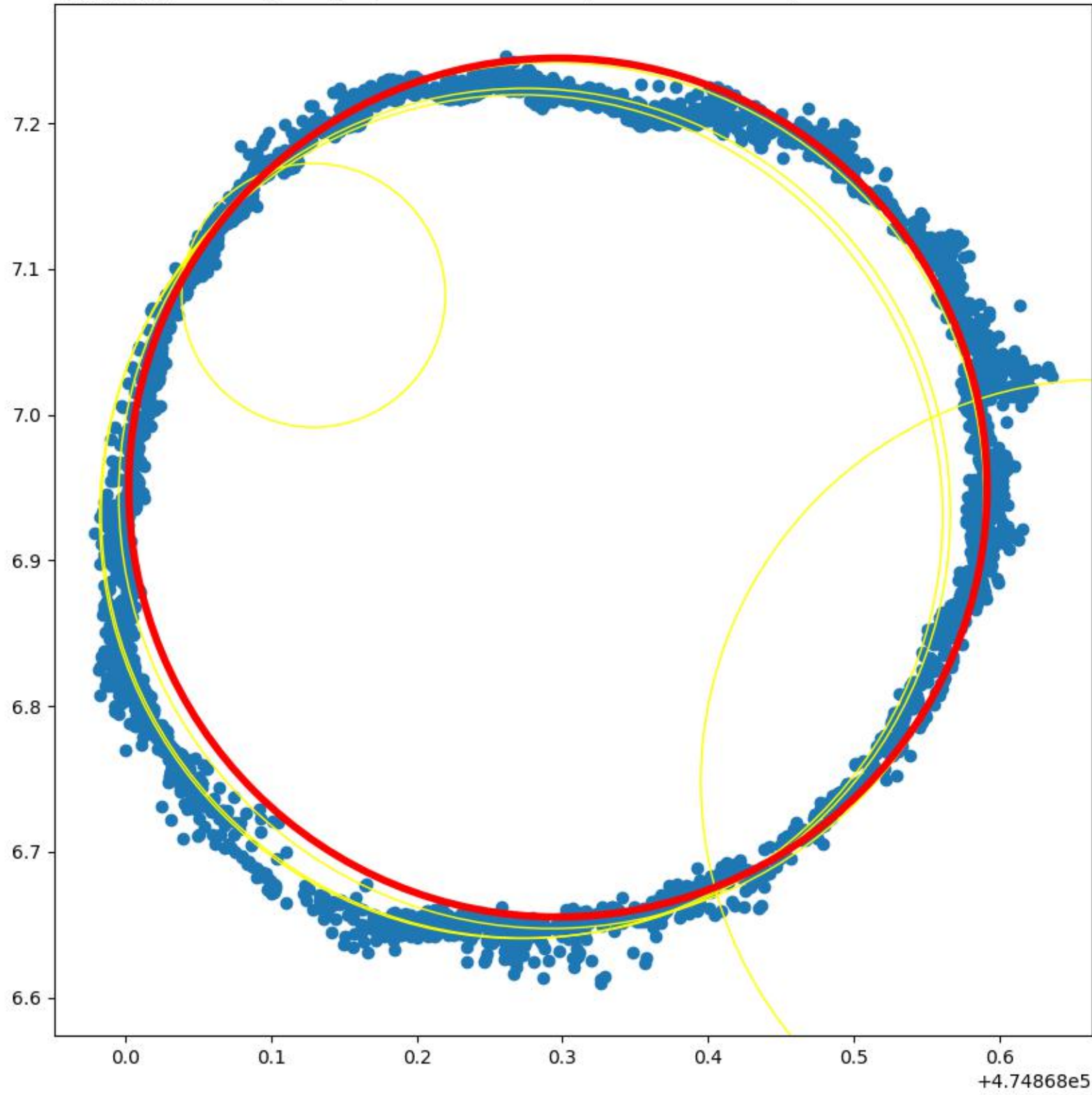
PseMen_BR07_07

+5.42717e6 D_BR07_07; slice: 1.28-1.32 m; Final score: 1099; r = 0.27



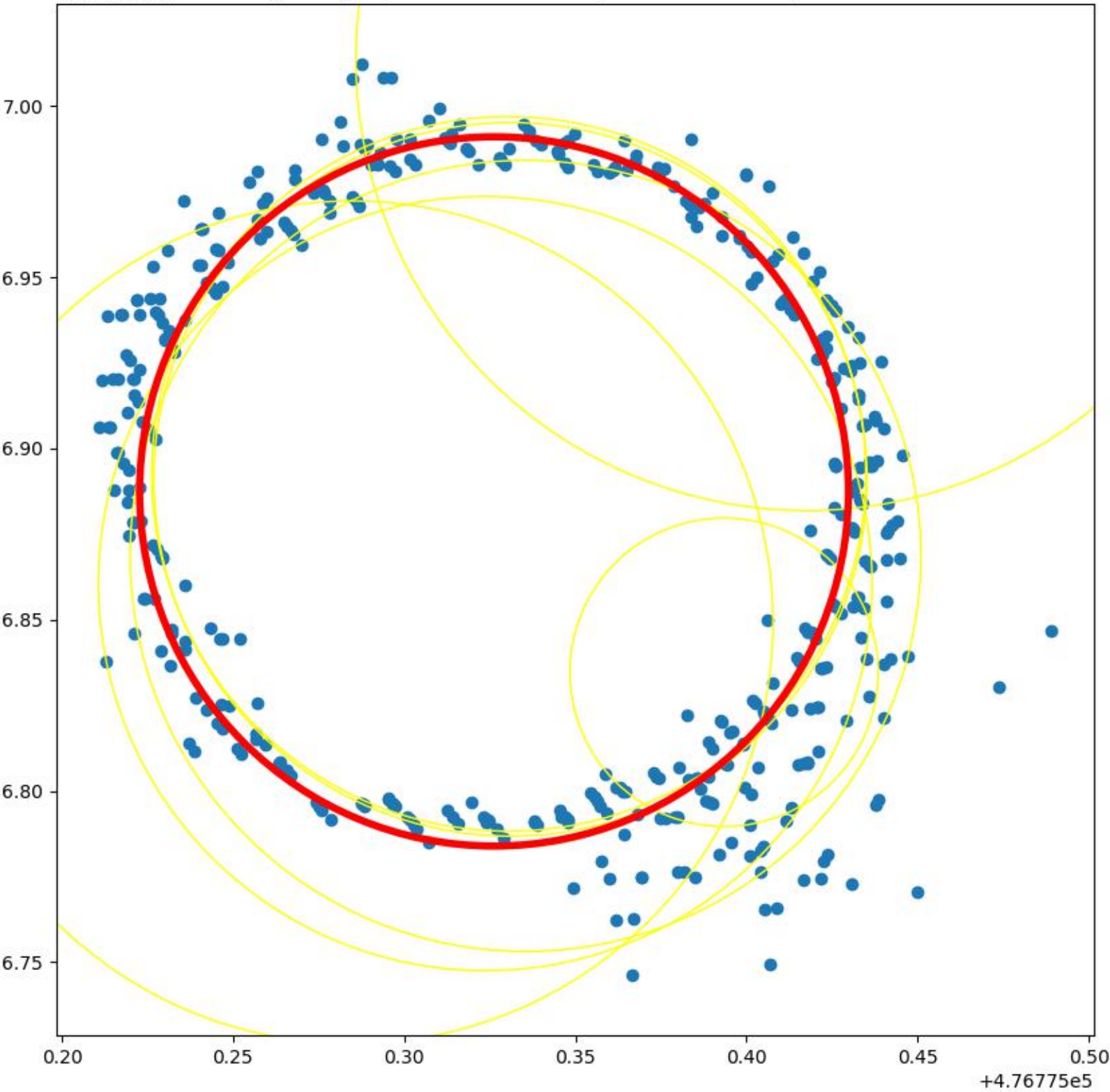
PseMen_SP02_01

+5.42964e6 D_SP02_01; slice: 1.28-1.32 m; Final score: 2508; r = 0.29

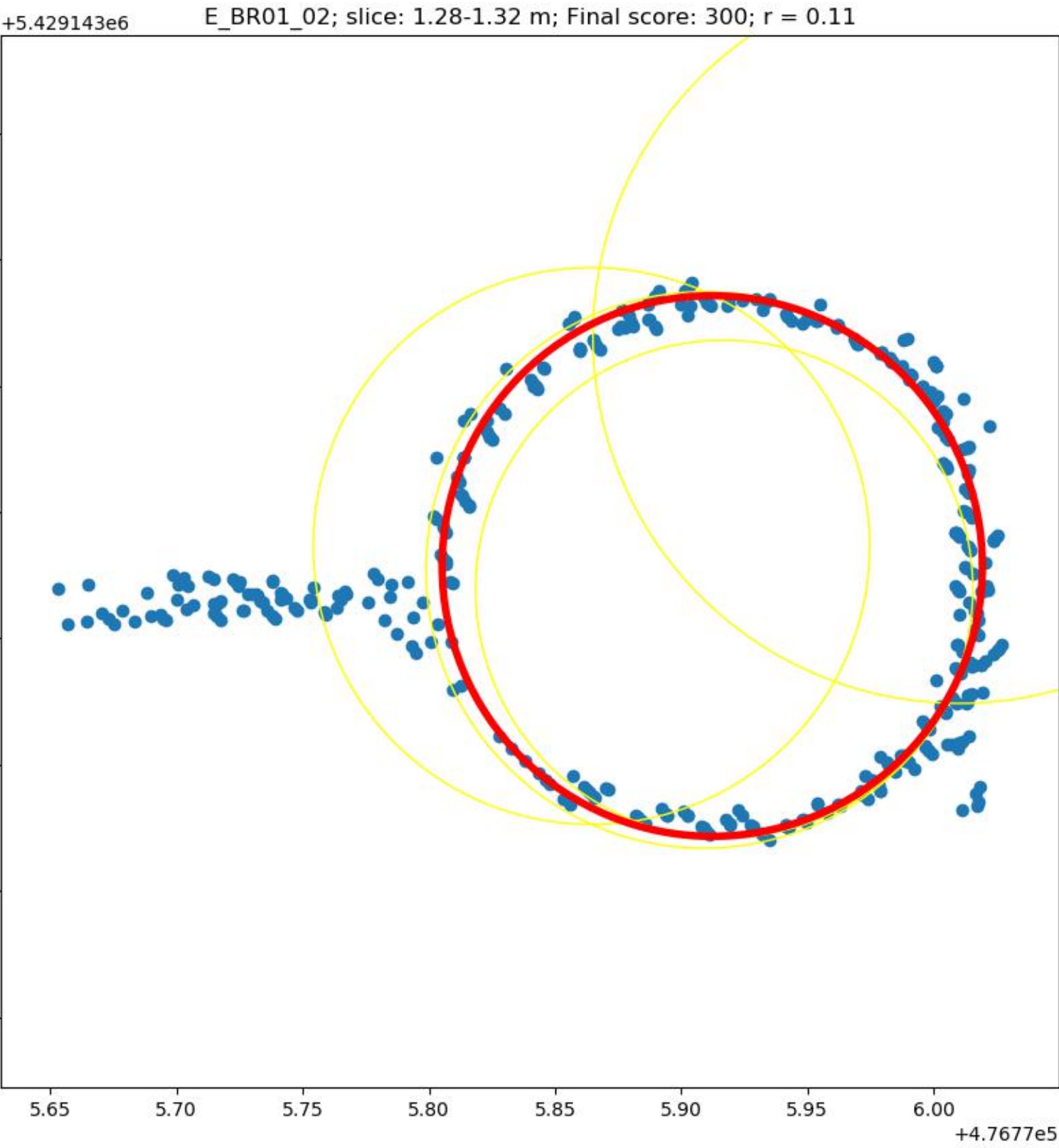


QuePet_BR01_01

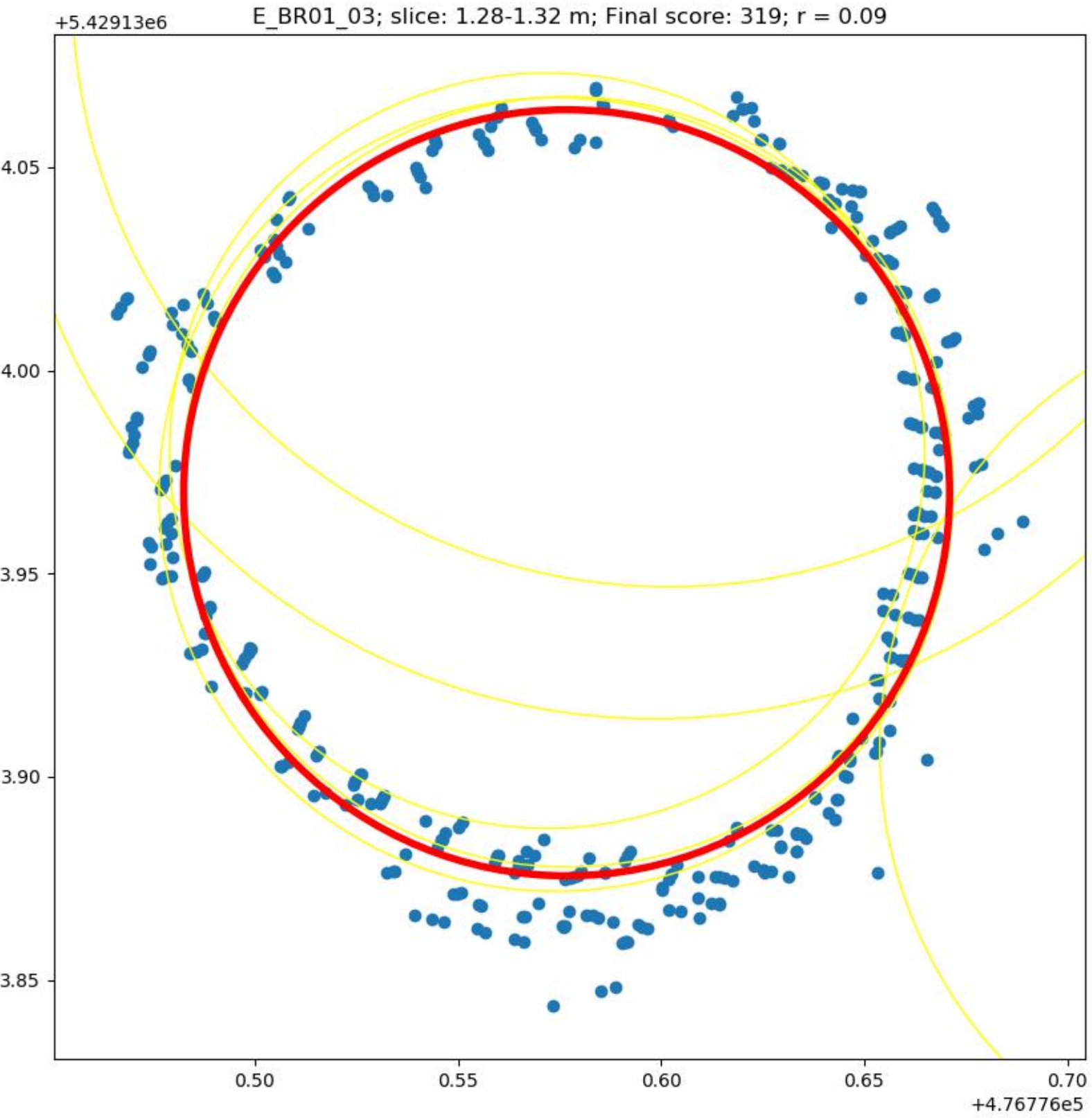
+5.42914e6 E_BR01_01; slice: 1.28-1.32 m; Final score: 324; r = 0.10



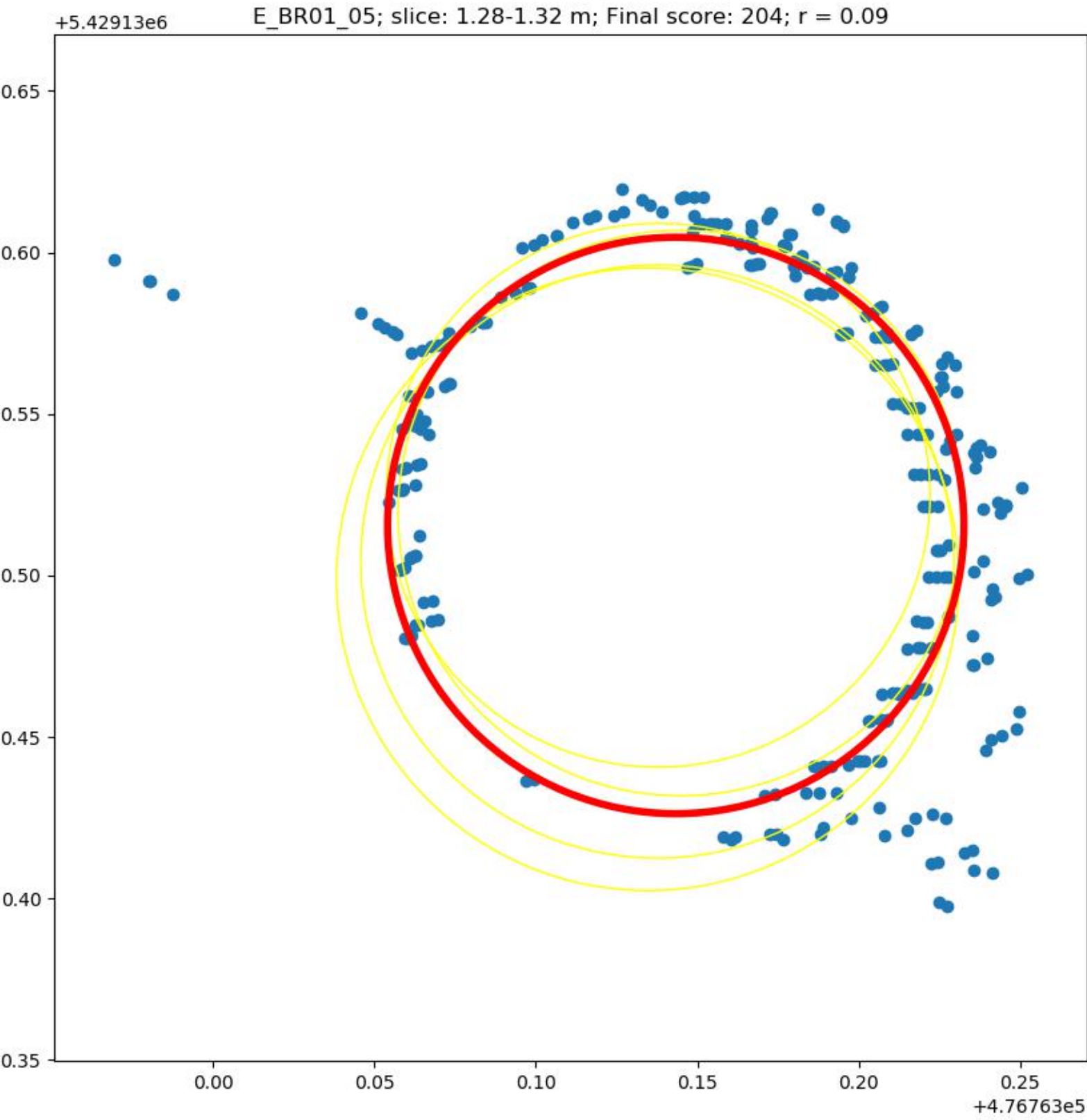
QuePet_BR01_02



QuePet_BR01_03

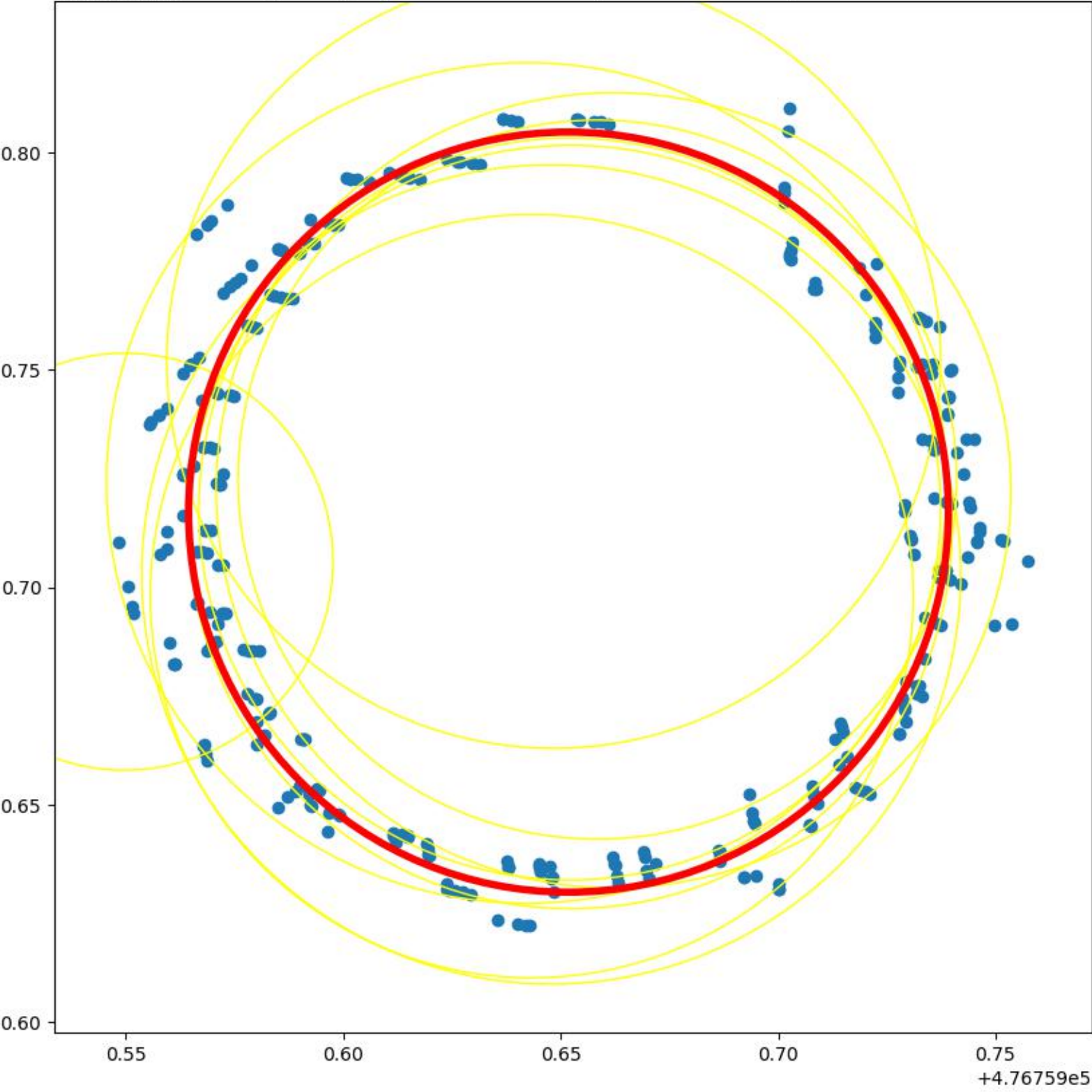


QuePet_BR01_05

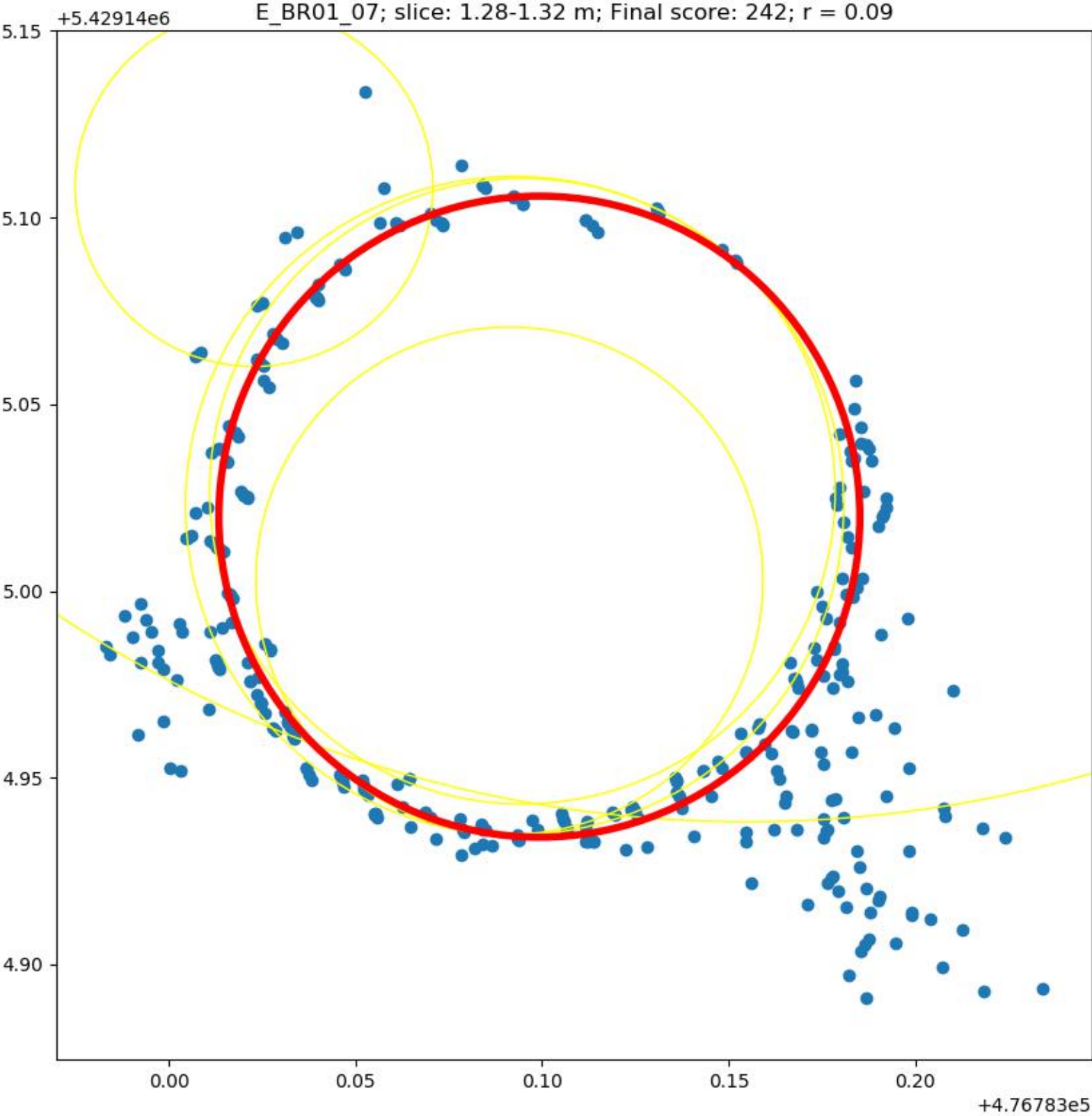


QuePet_BR01_06

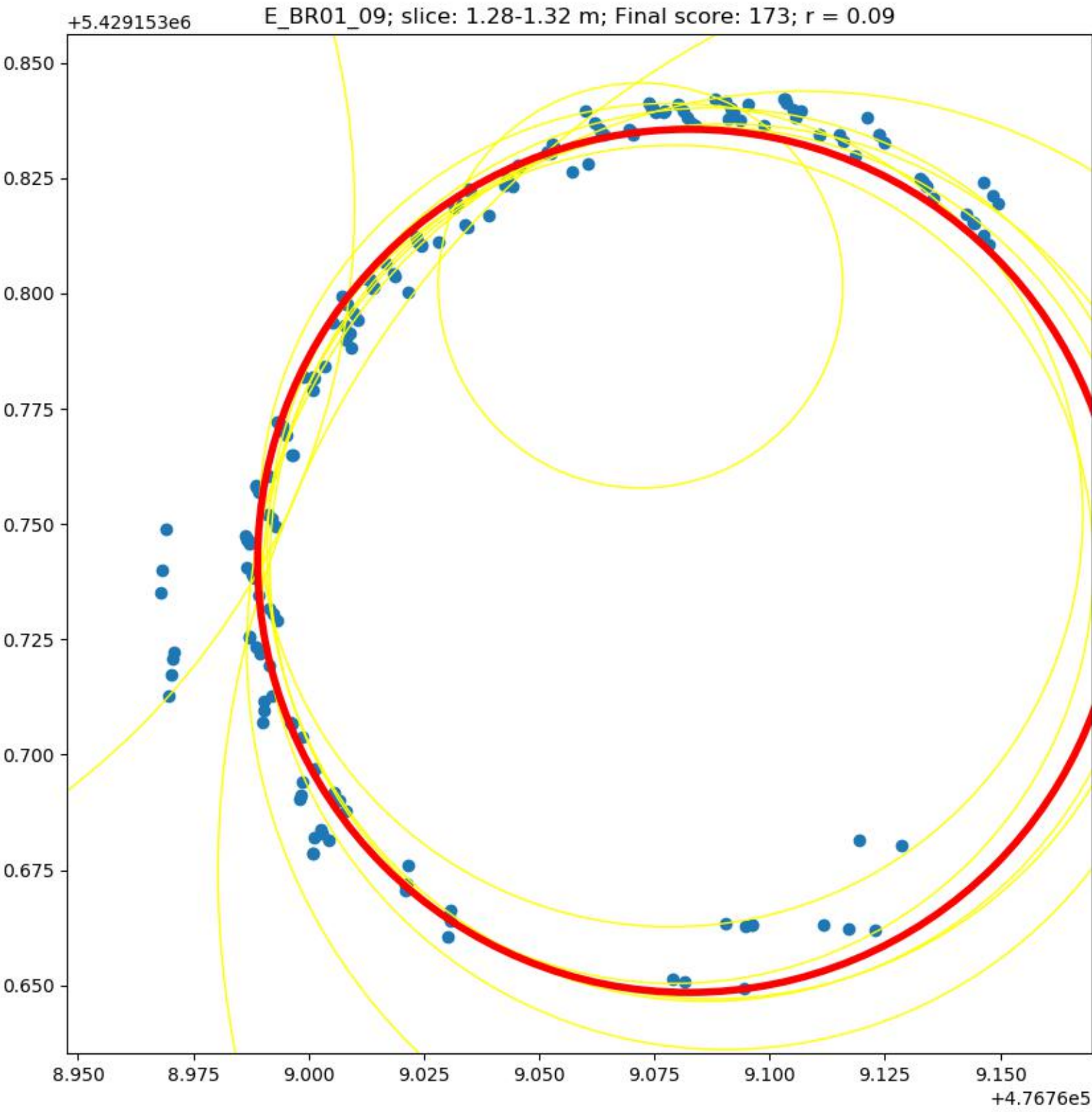
+5.429141e6 E_BR01_06; slice: 1.28-1.32 m; Final score: 284; r = 0.09



QuePet_BR01_07

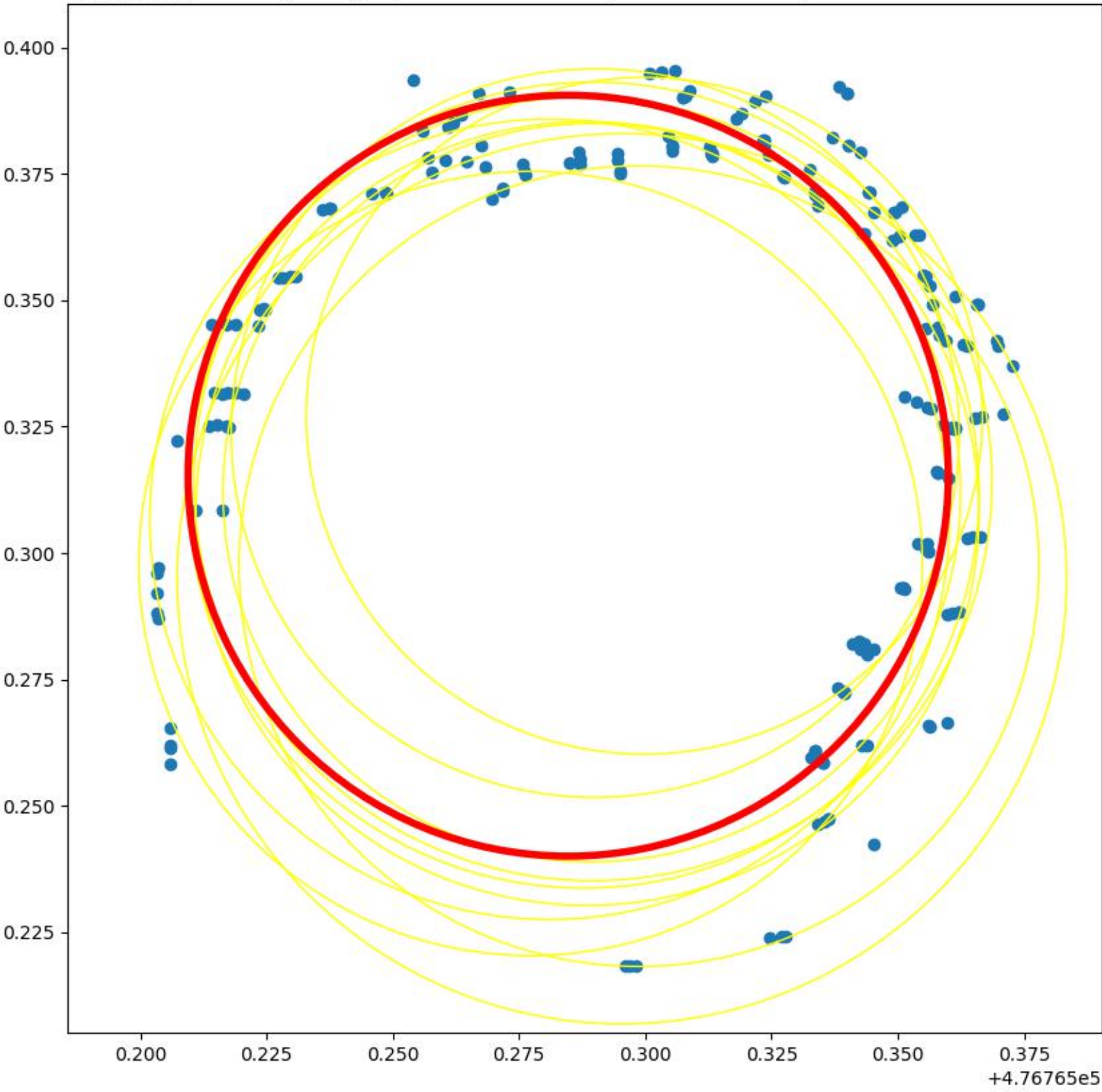


QuePet_BR01_09

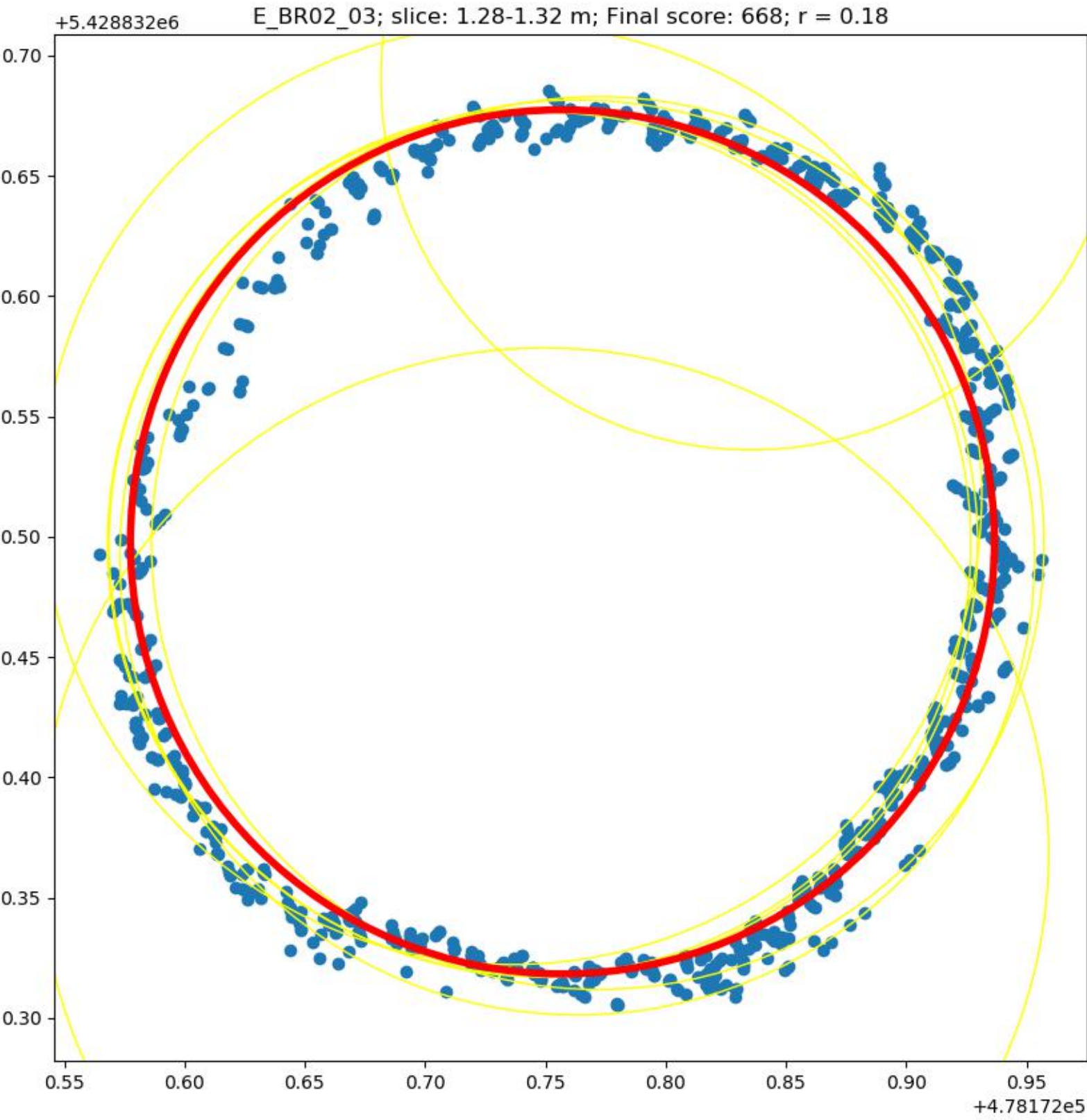


QuePet_BR01_10

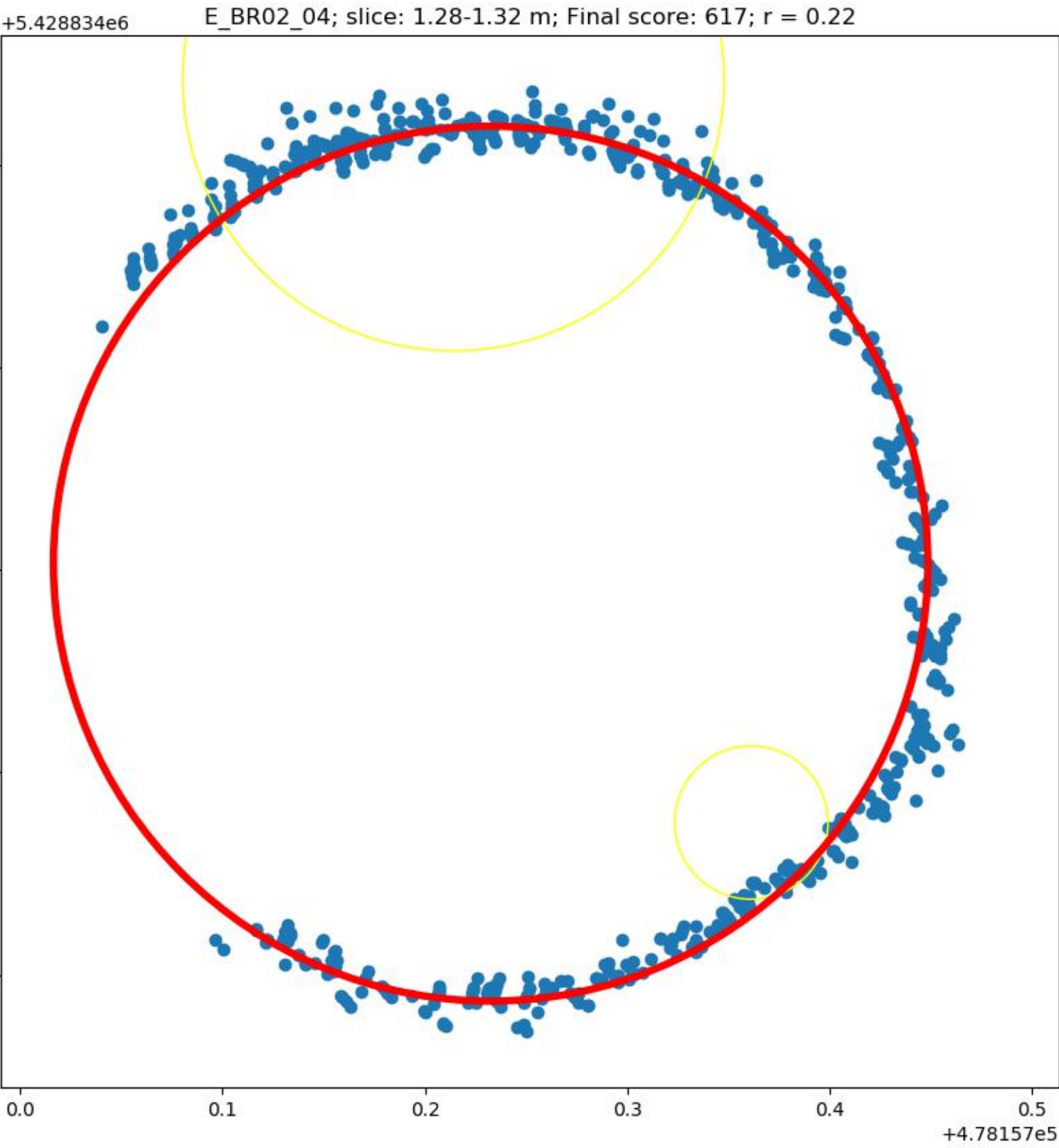
+5.429144e6 E_BR01_10; slice: 1.28-1.32 m; Final score: 150; r = 0.08



QuePet_BR02_03

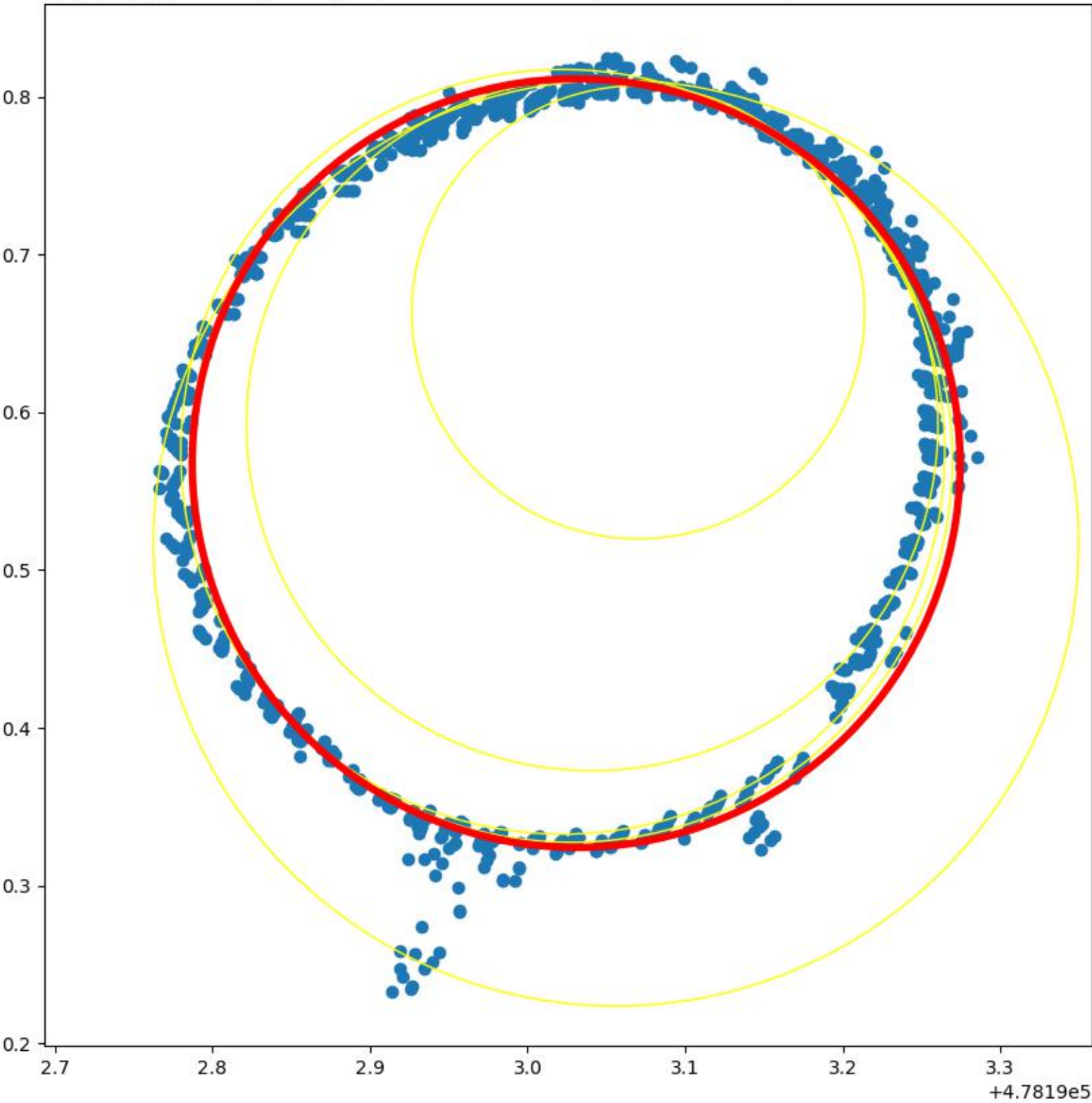


QuePet_BR02_04



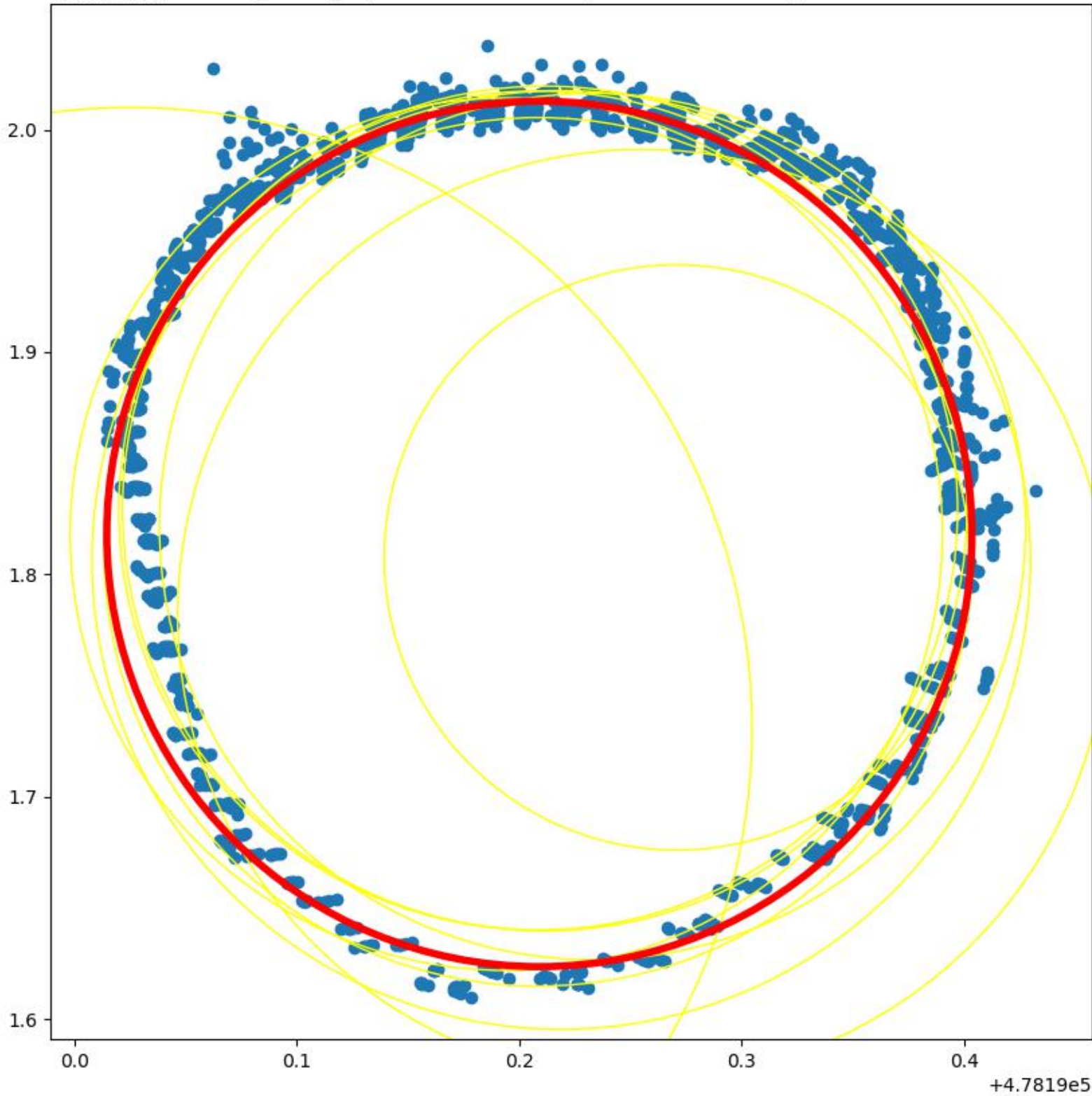
QuePet_BR02_05

+5.428886e6 E_BR02_05; slice: 1.28-1.32 m; Final score: 977; r = 0.24



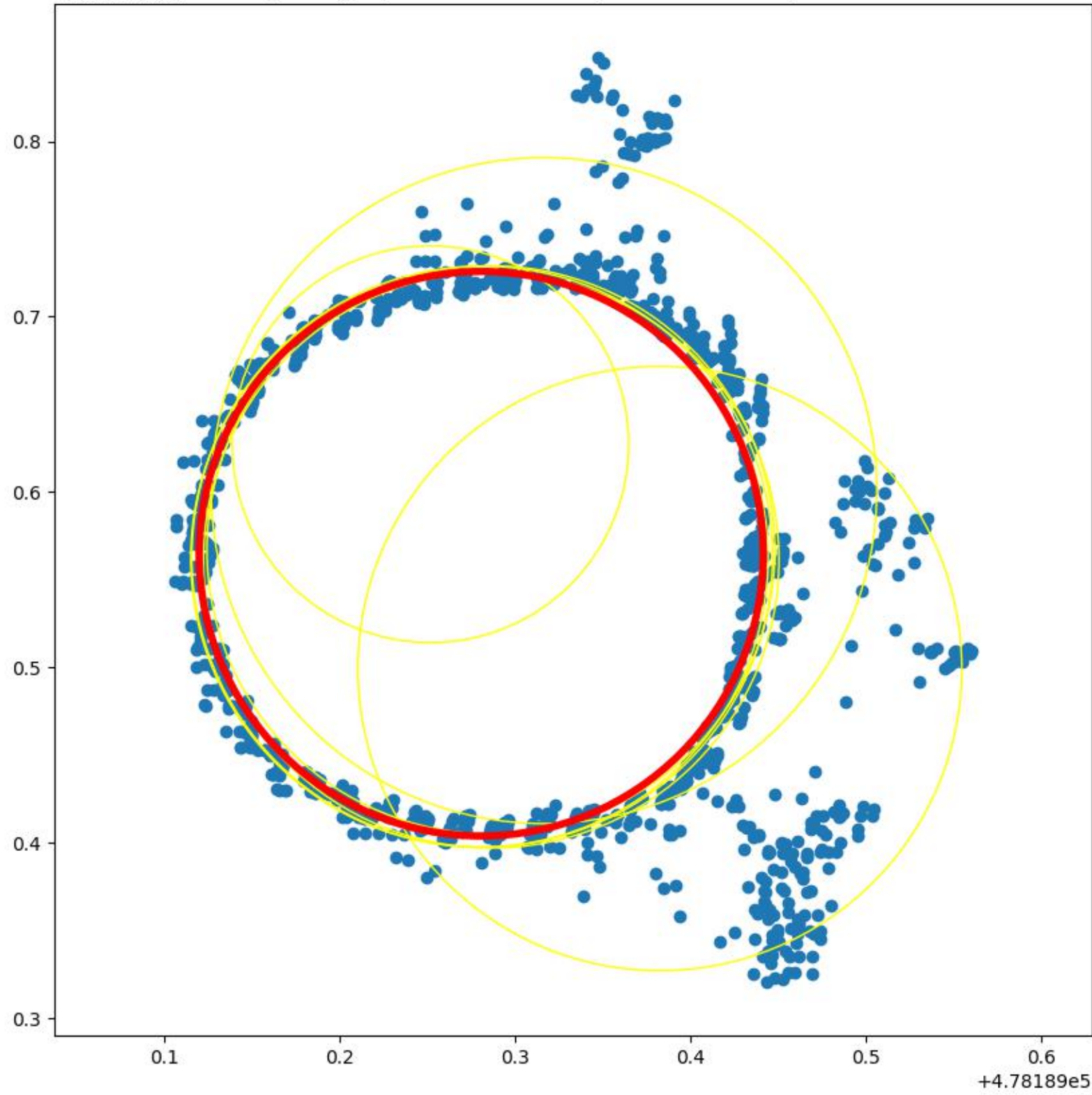
QuePet_BR02_06

+5.42889e6 E_BR02_06; slice: 1.28-1.32 m; Final score: 1174; r = 0.19



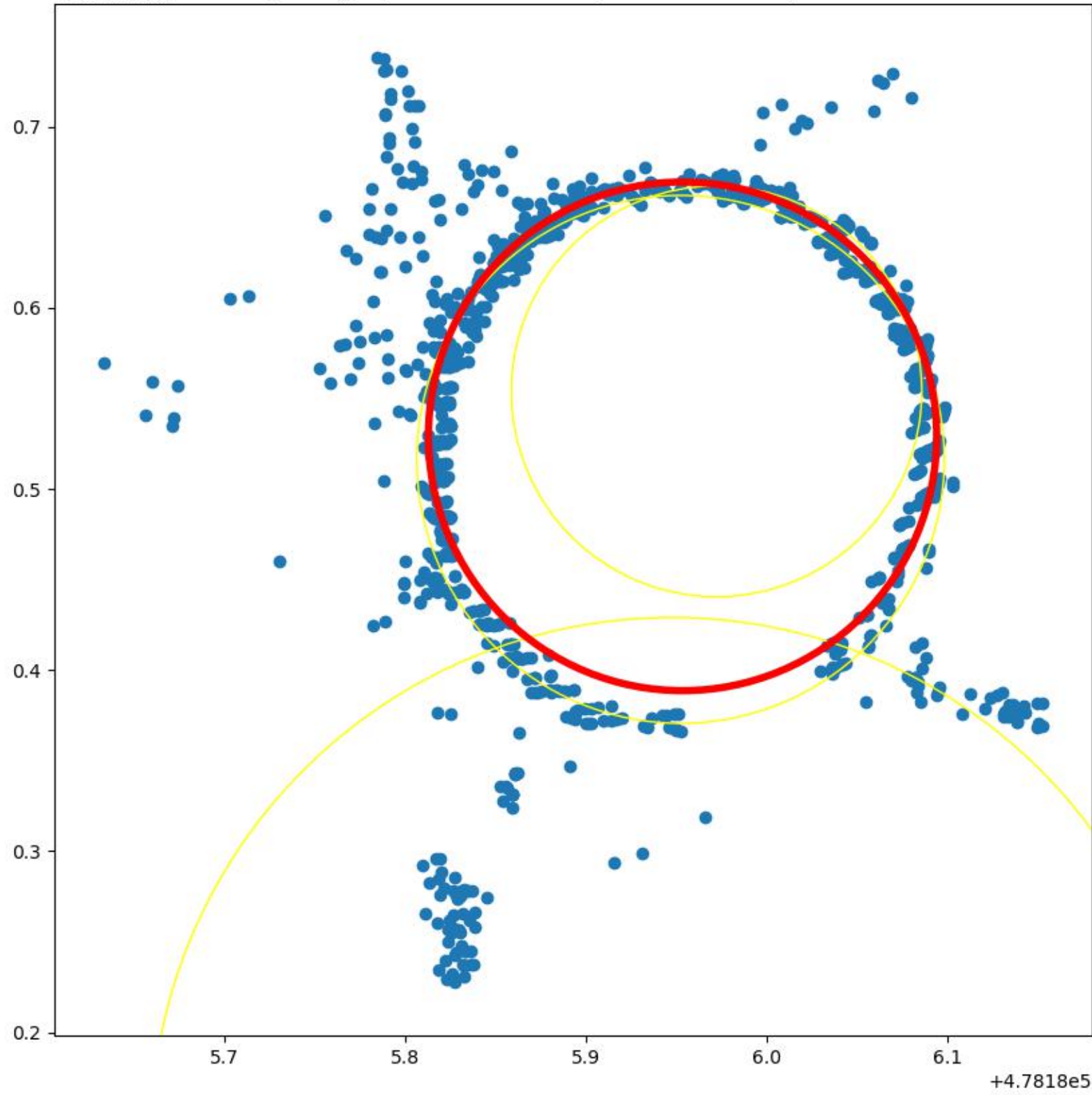
QuePet_BR02_07

+5.428886e6 E_BR02_07; slice: 1.28-1.32 m; Final score: 872; r = 0.16

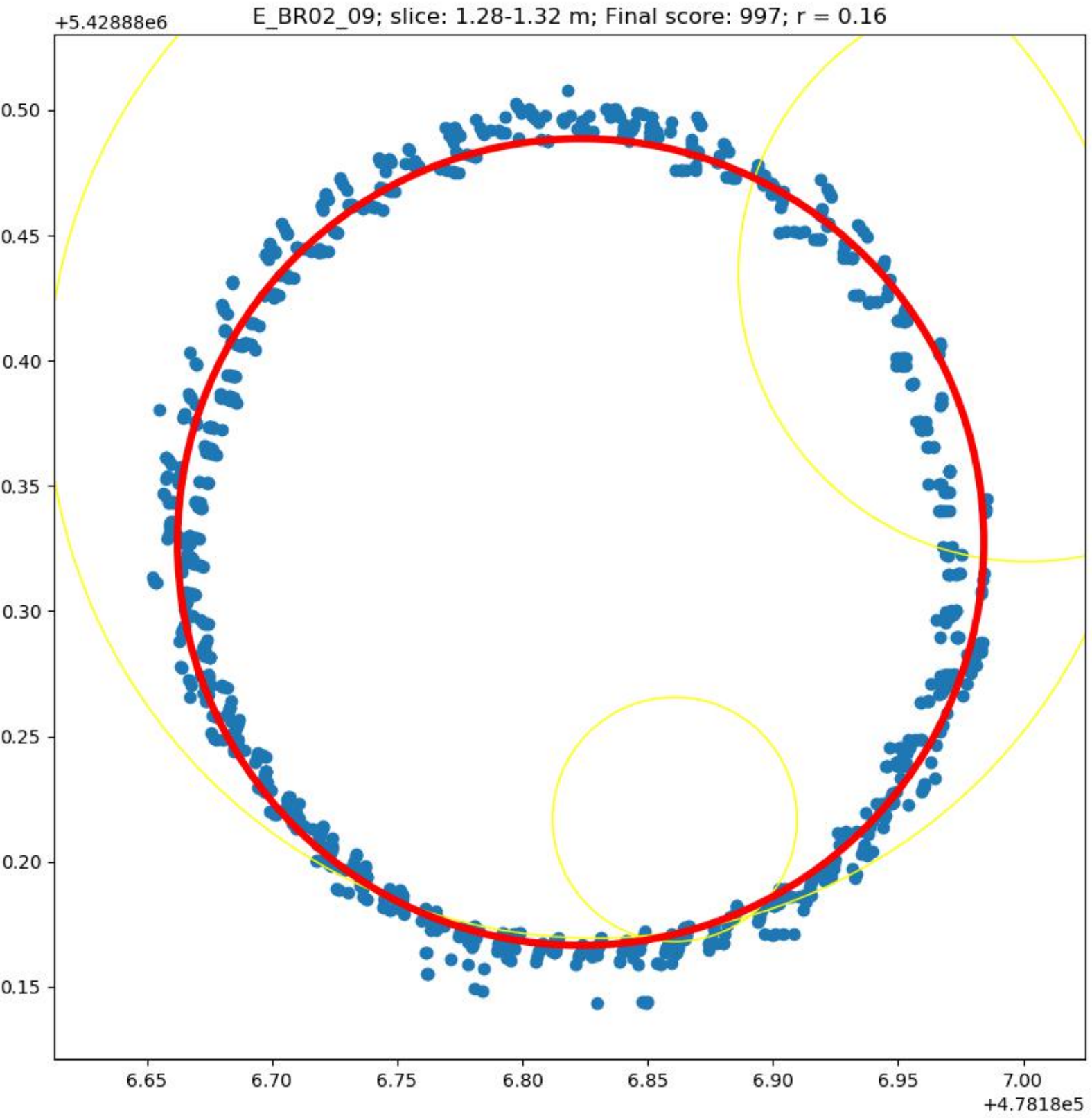


QuePet_BR02_08

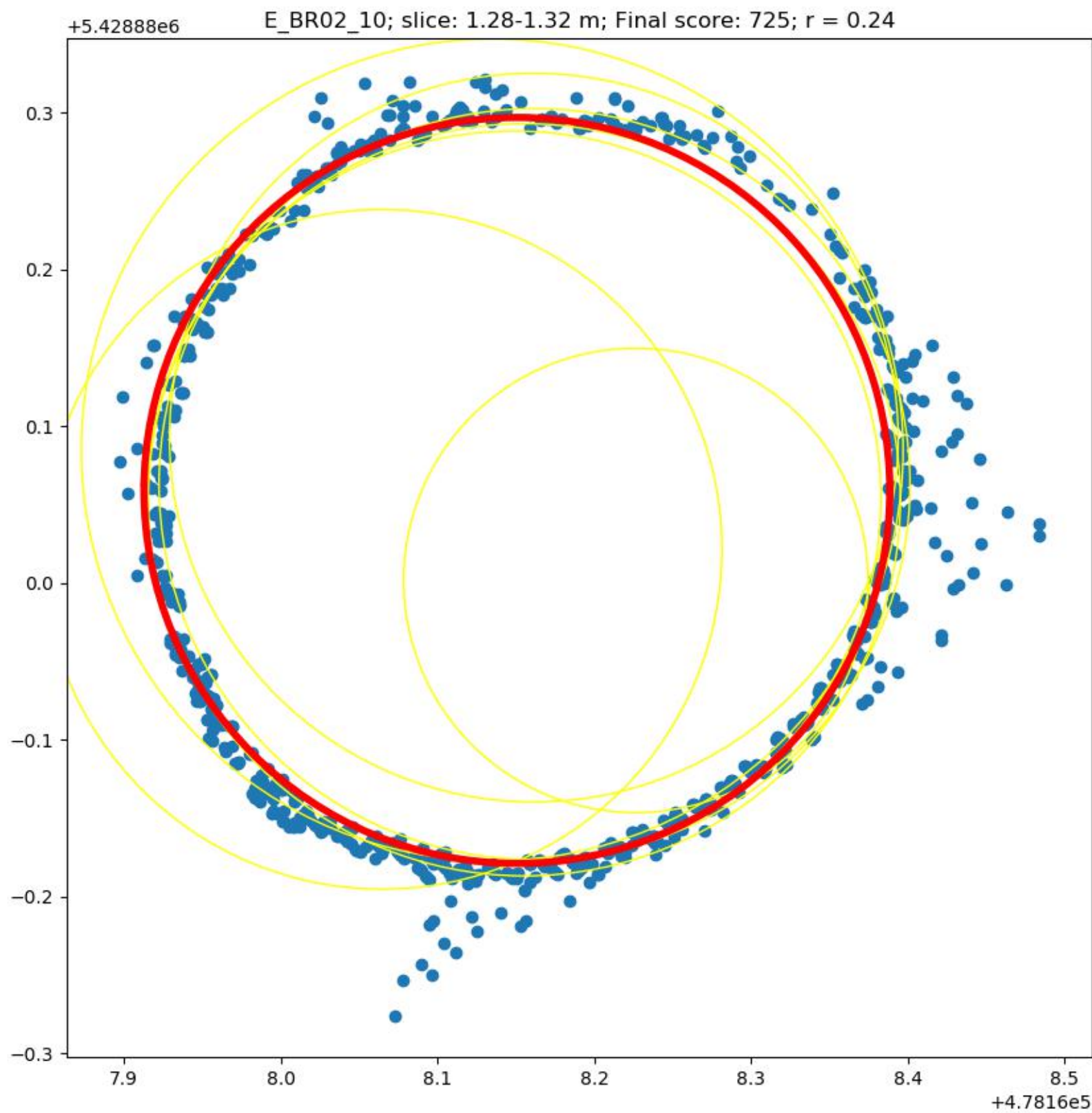
+5.42889e6 E_BR02_08; slice: 1.28-1.32 m; Final score: 714; r = 0.14



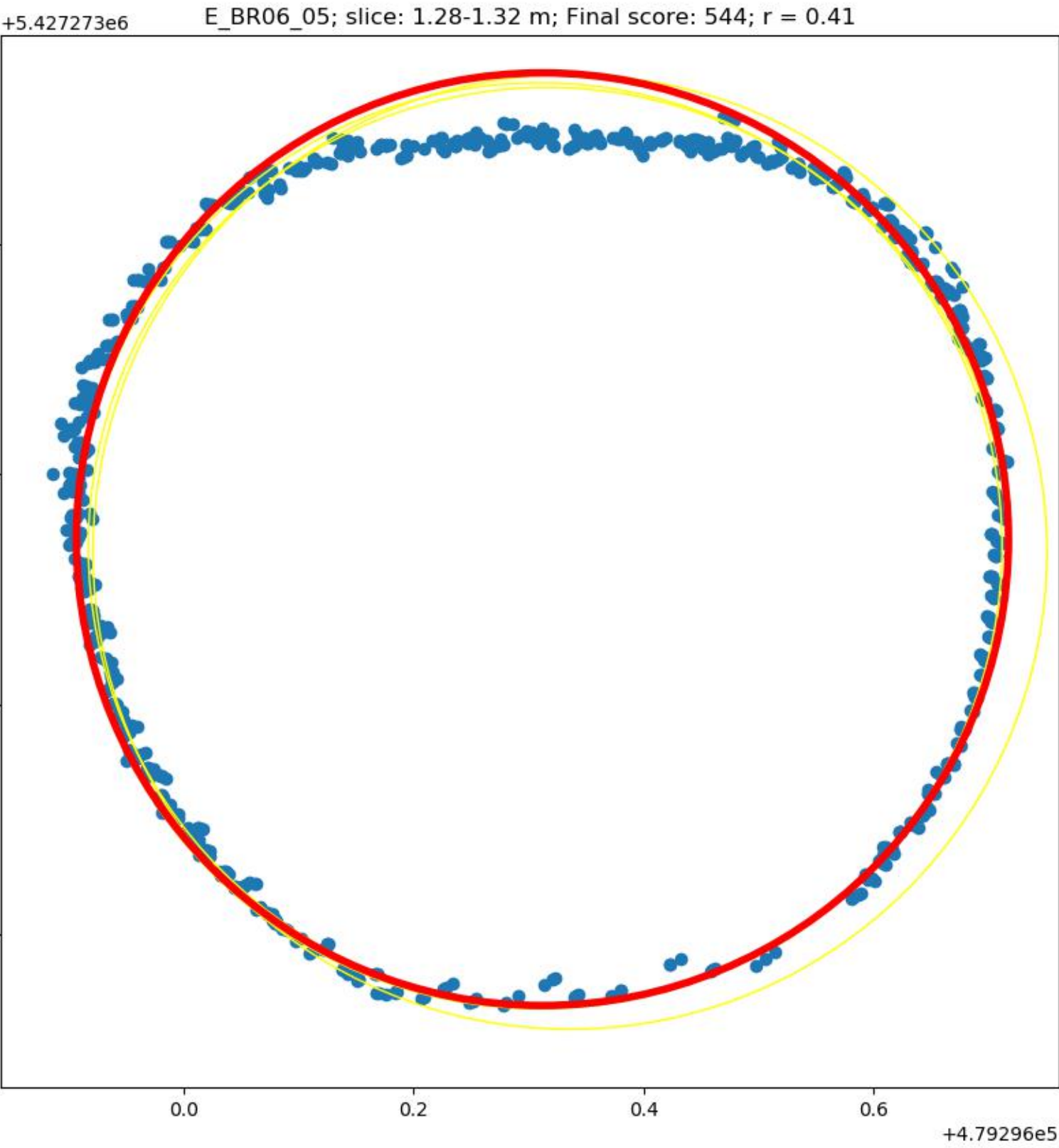
QuePet_BR02_09



QuePet_BR02_10

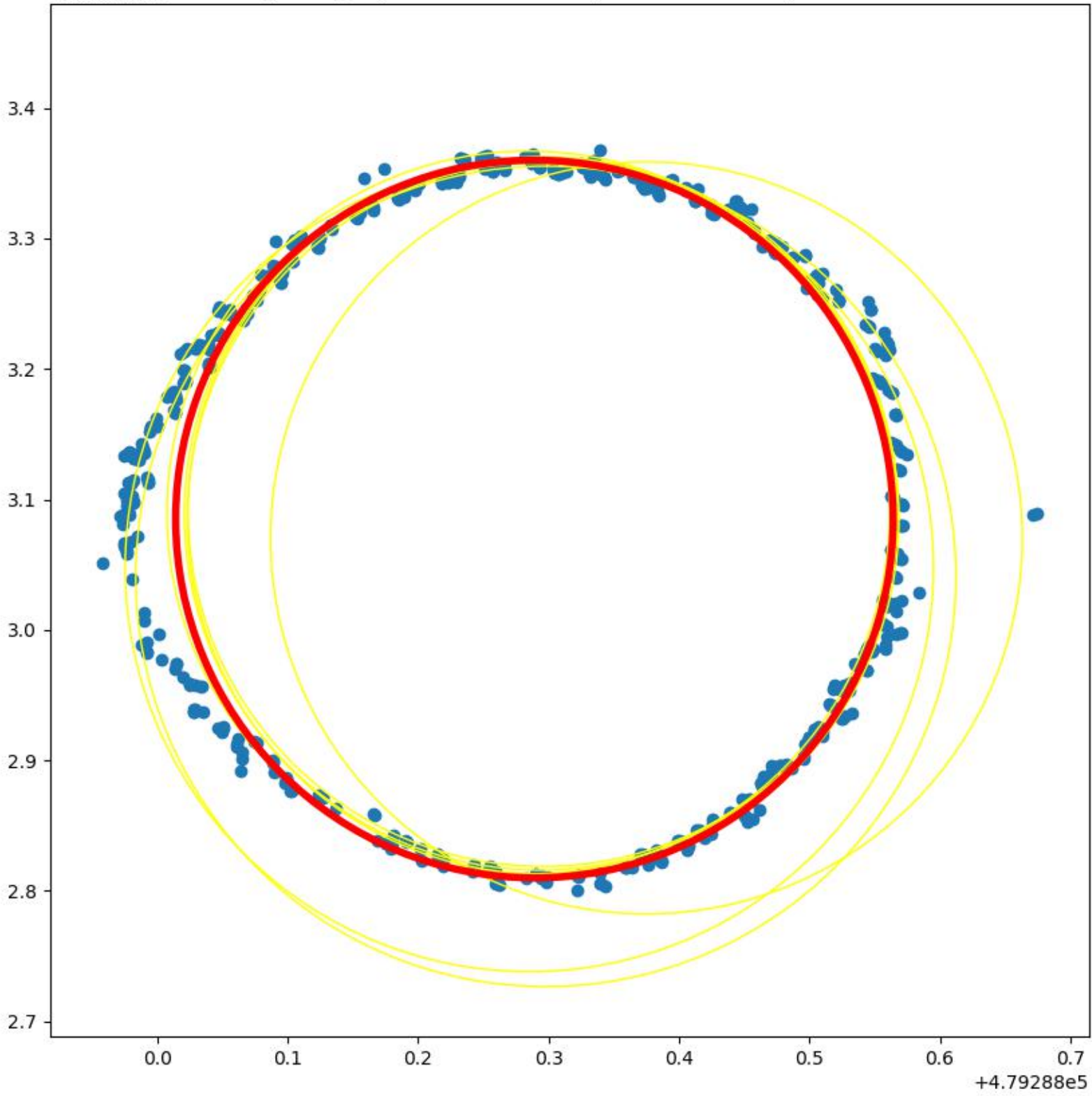


QuePet_BR06_05



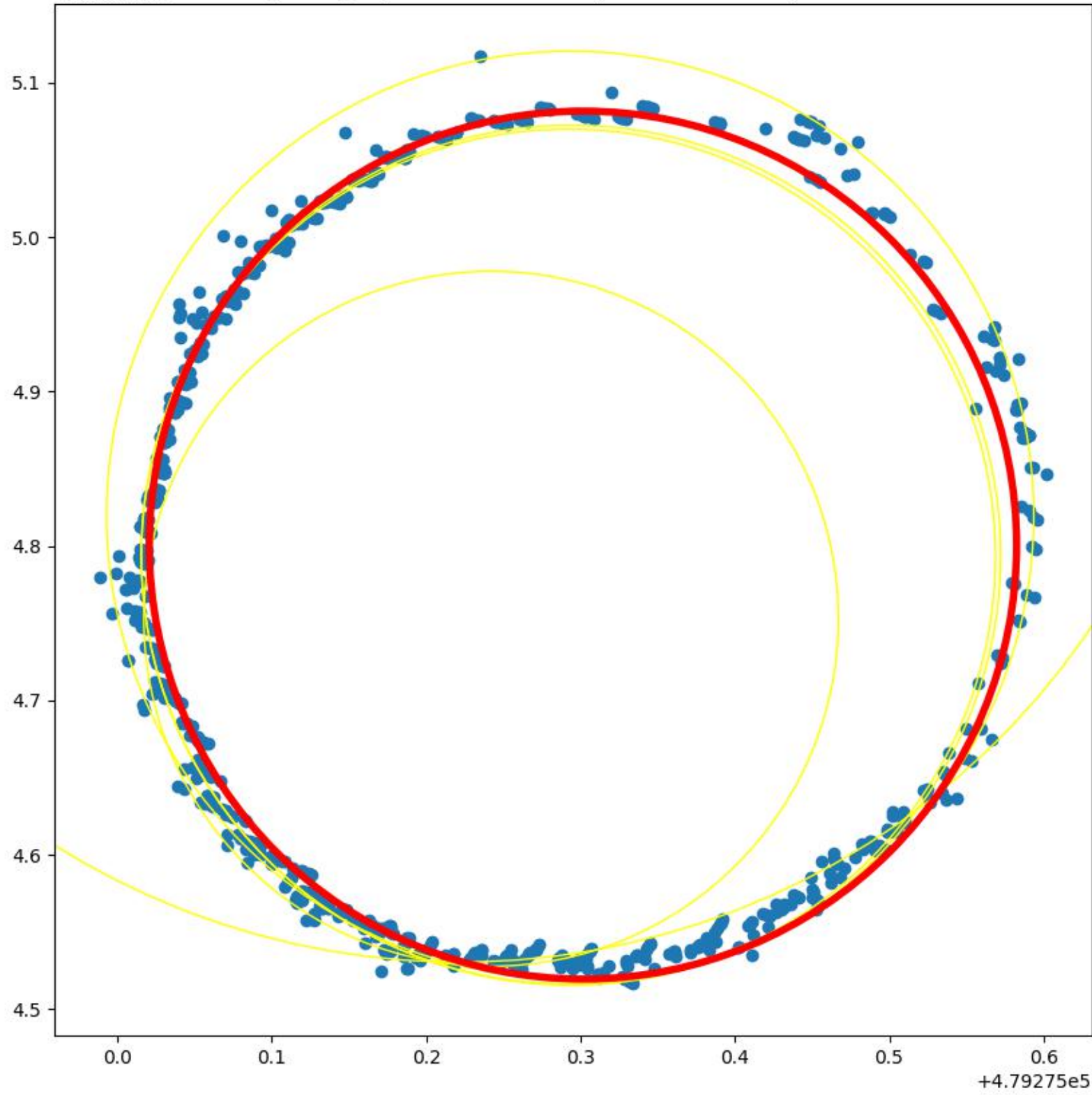
QuePet_BR06_06

+5.42727e6 E_BR06_06; slice: 1.28-1.32 m; Final score: 424; r = 0.27

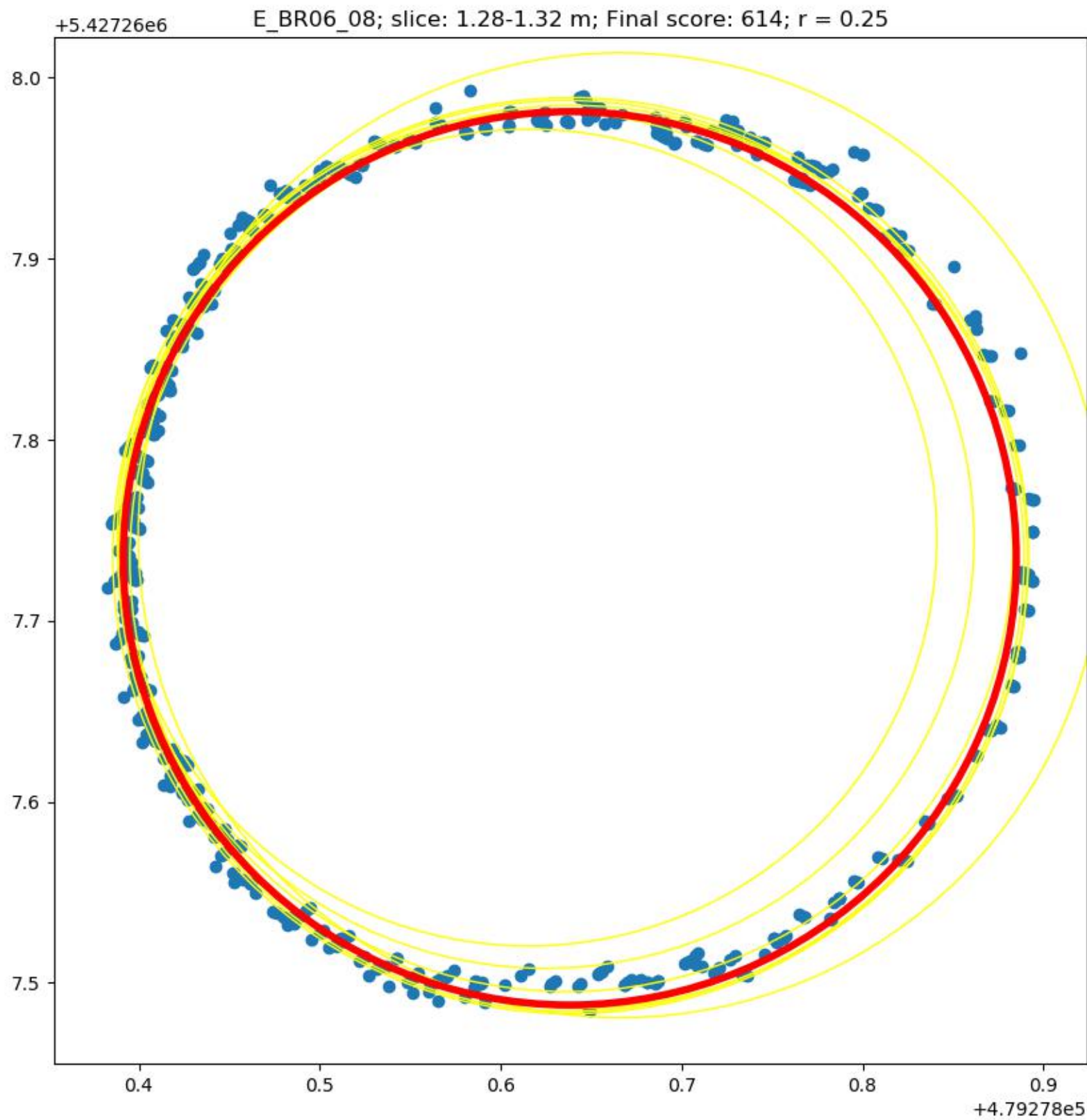


QuePet_BR06_07

+5.42727e6 E_BR06_07; slice: 1.28-1.32 m; Final score: 616; r = 0.28

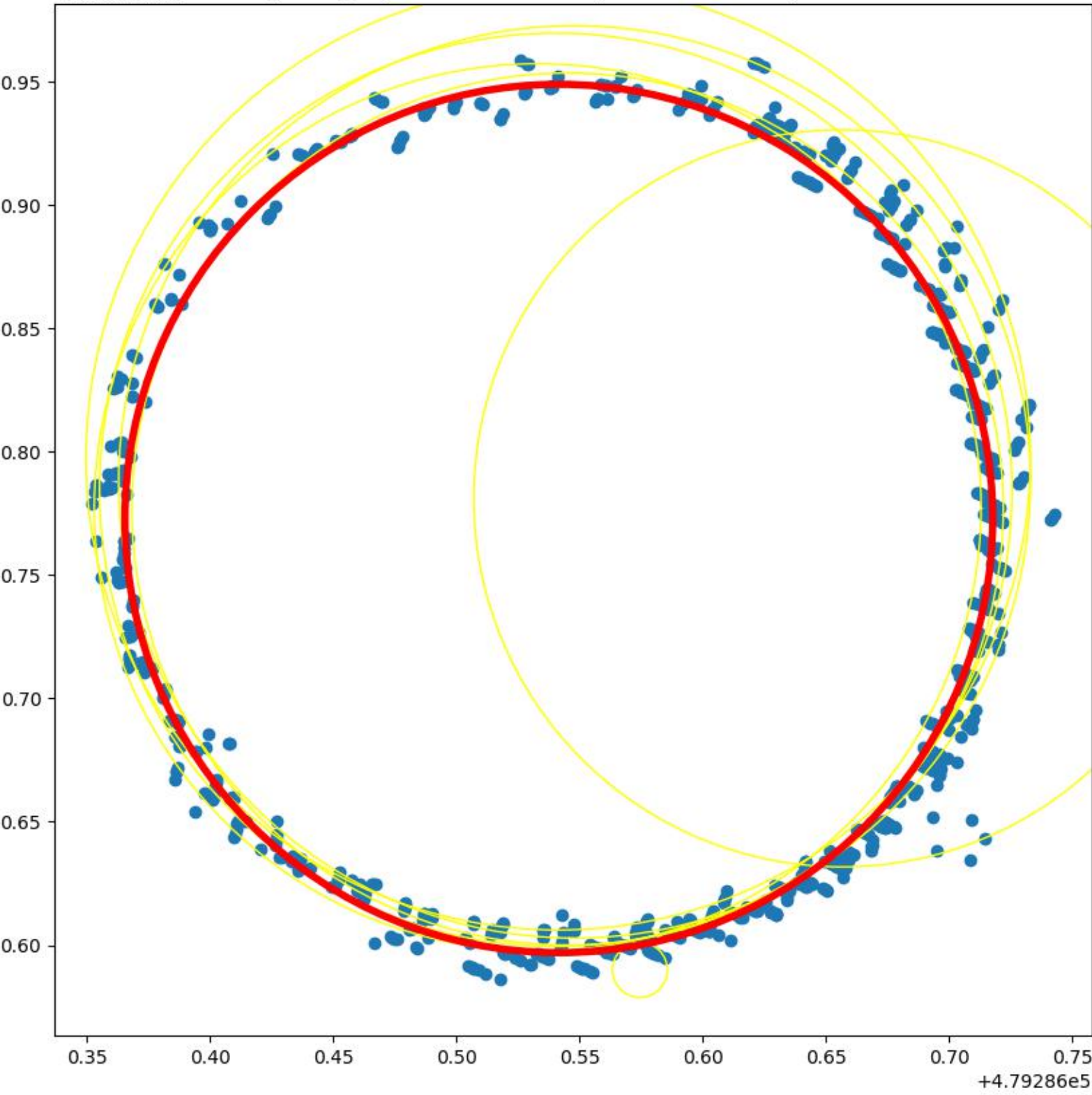


QuePet_BR06_08

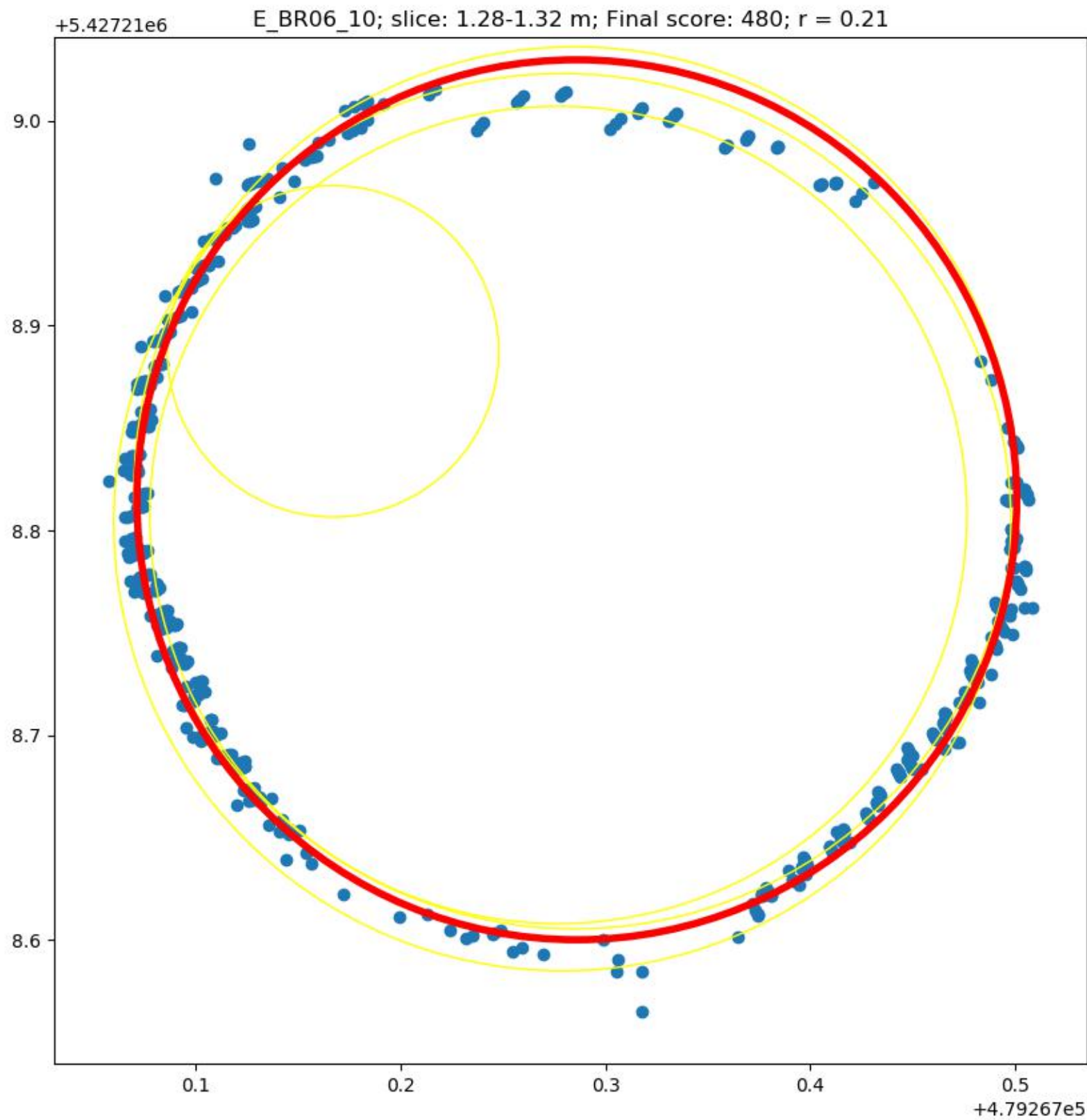


QuePet_BR06_09

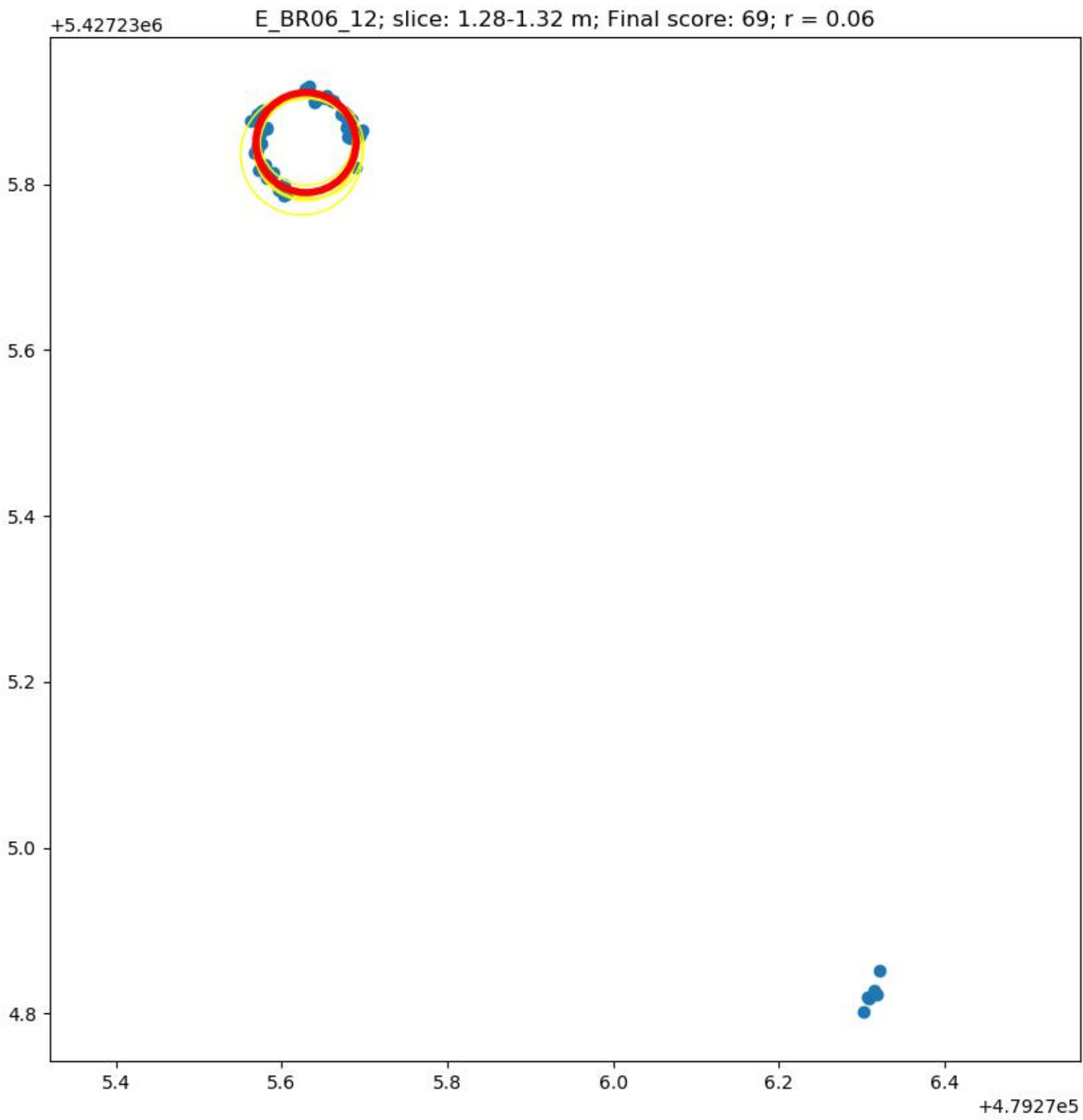
+5.427226e6 E_BR06_09; slice: 1.28-1.32 m; Final score: 776; r = 0.18



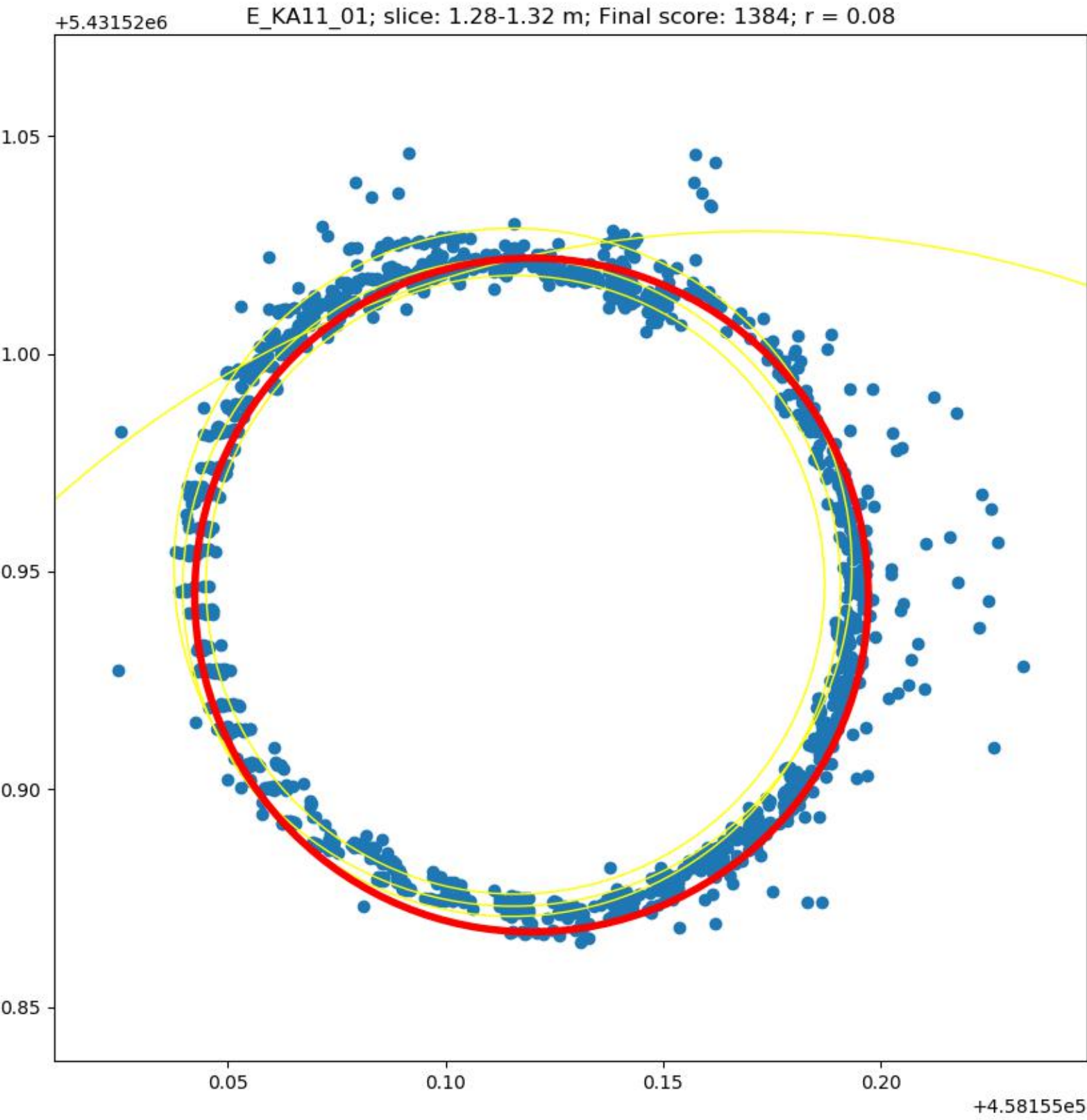
QuePet_BR06_10



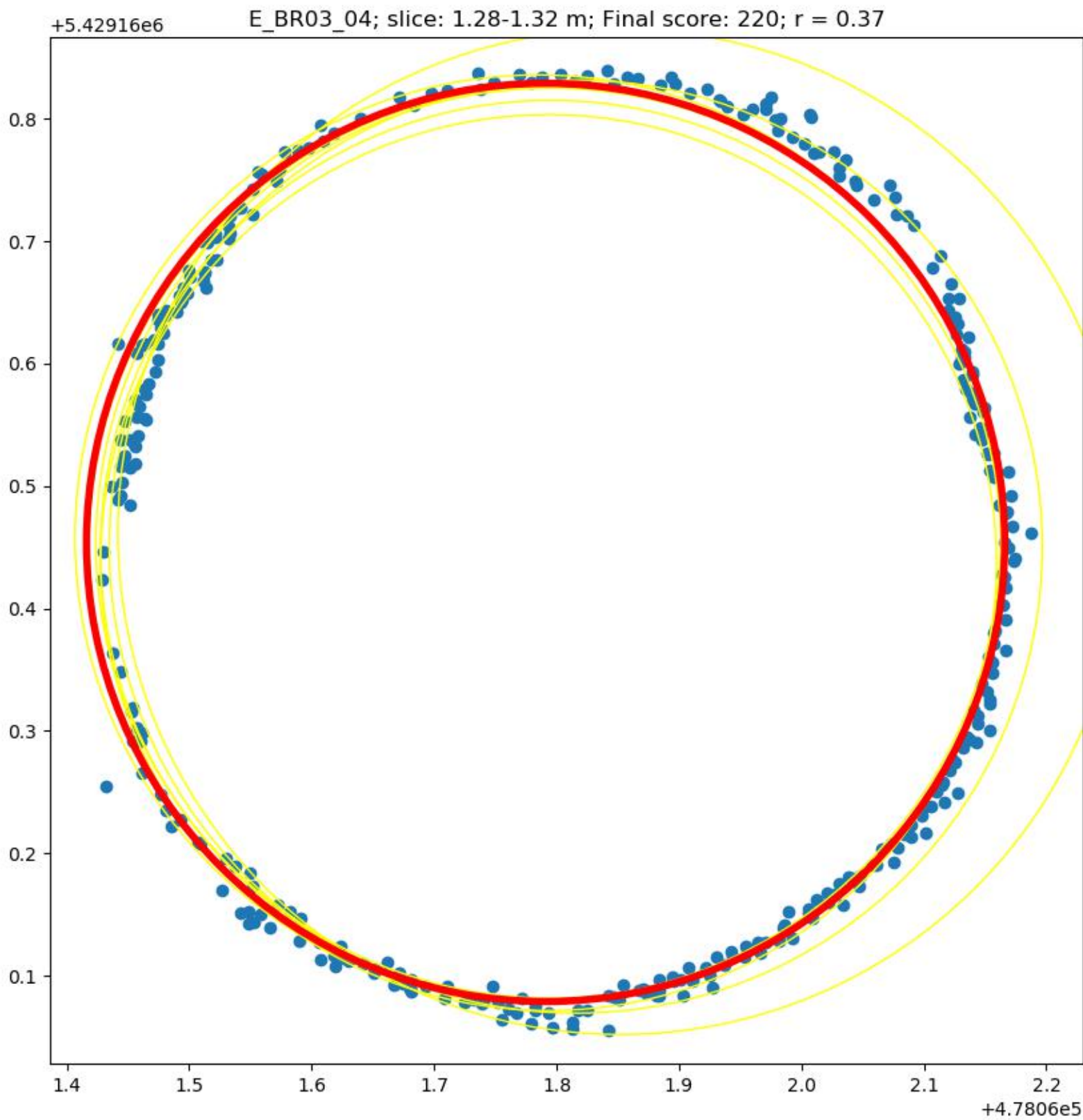
QuePet_BR06_12



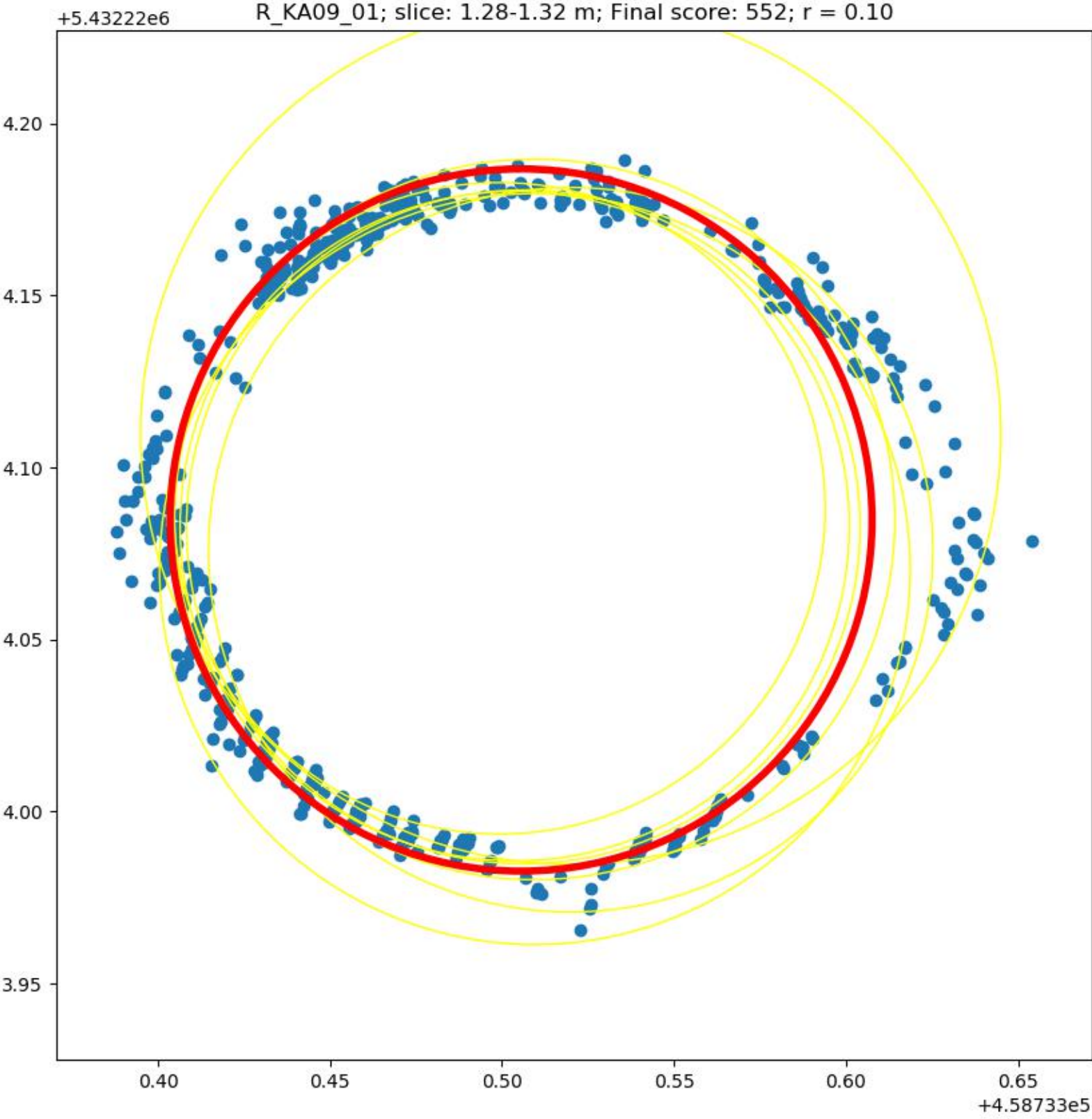
QuePet_KA11_01



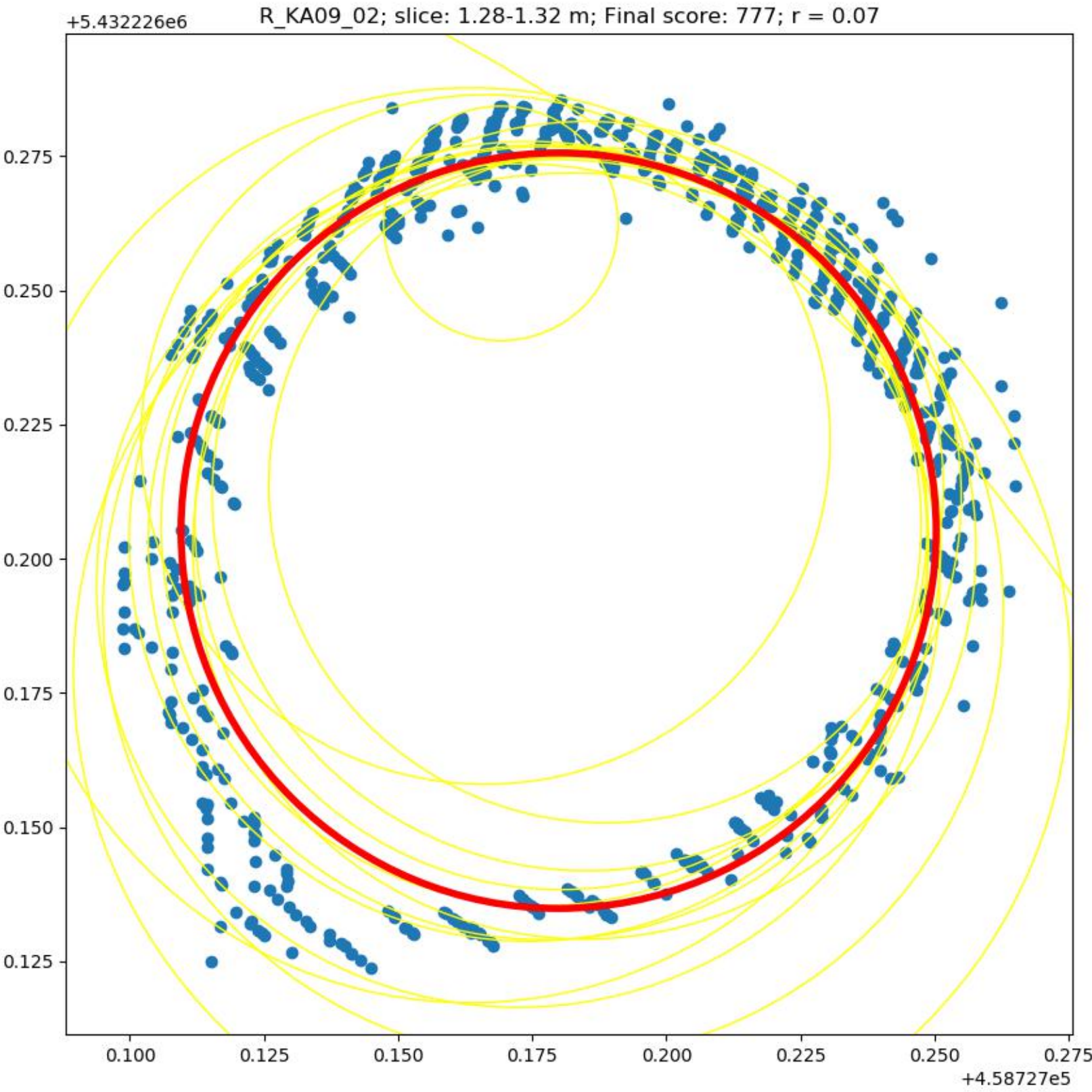
QueRob_BR03_P16T7



QueRub_KA09_T051

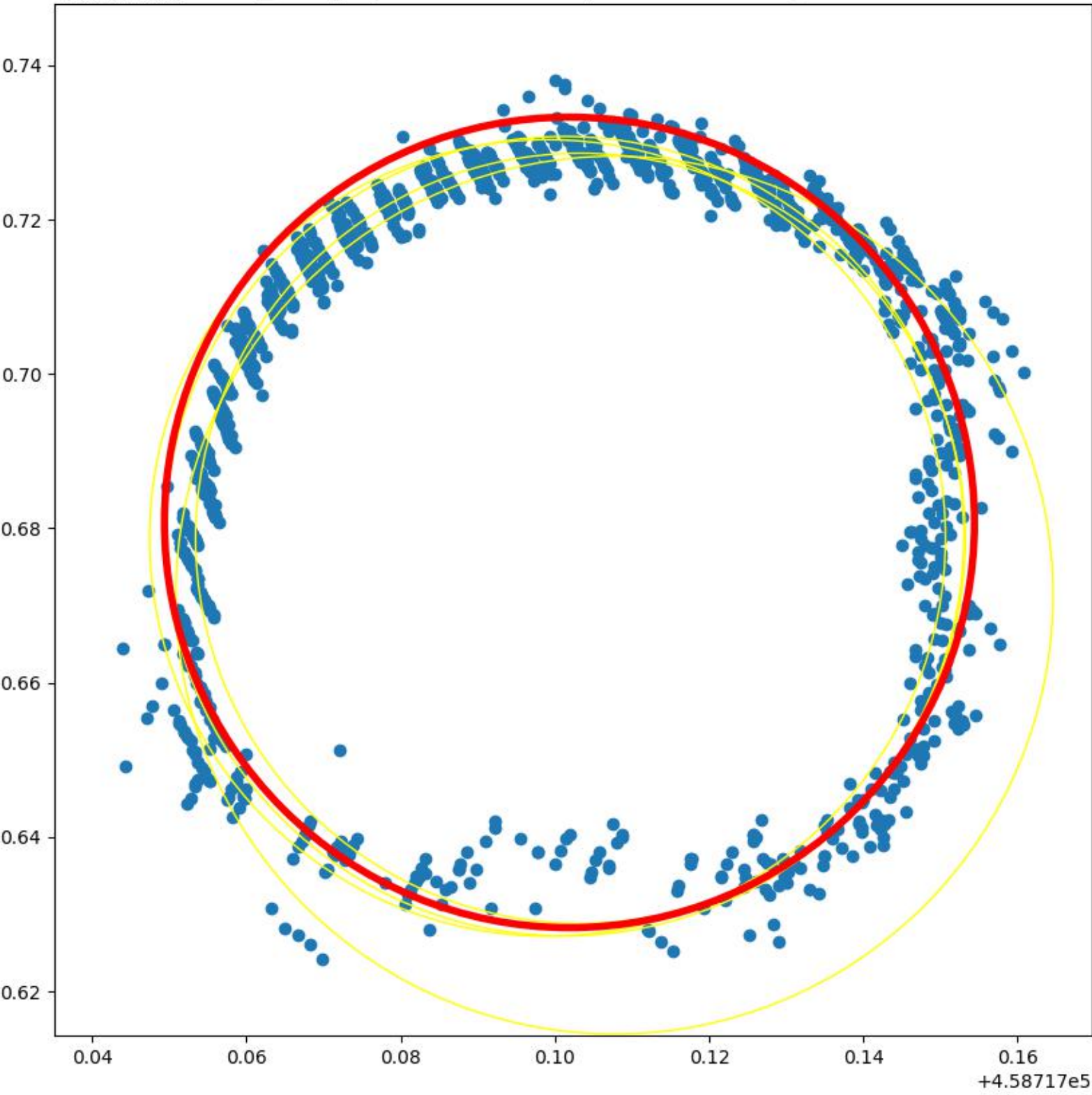


QueRub_KA09_T052



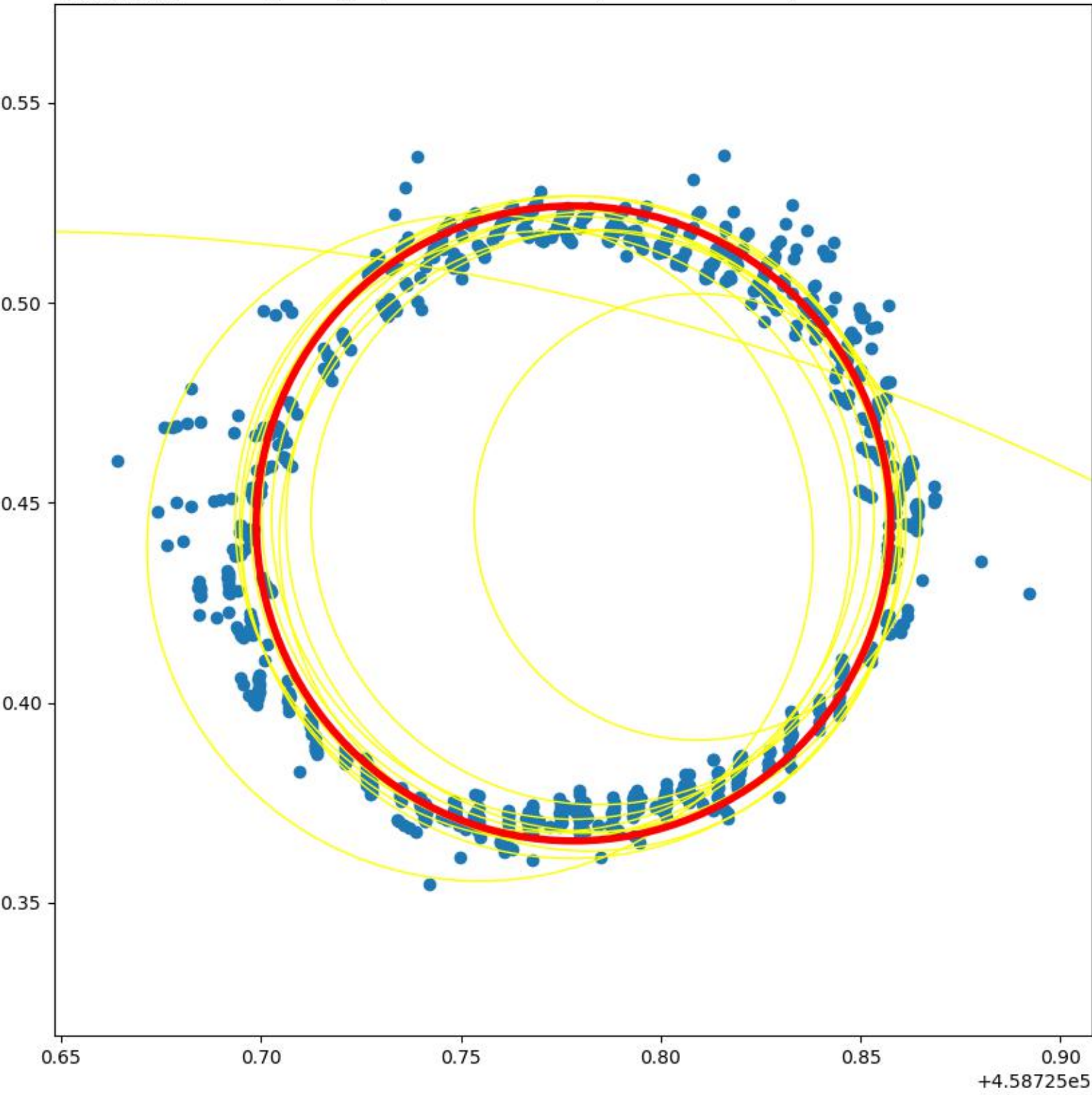
QueRub_KA09_T053

+5.432235e6 R_KA09_05; slice: 1.28-1.32 m; Final score: 1444; r = 0.05

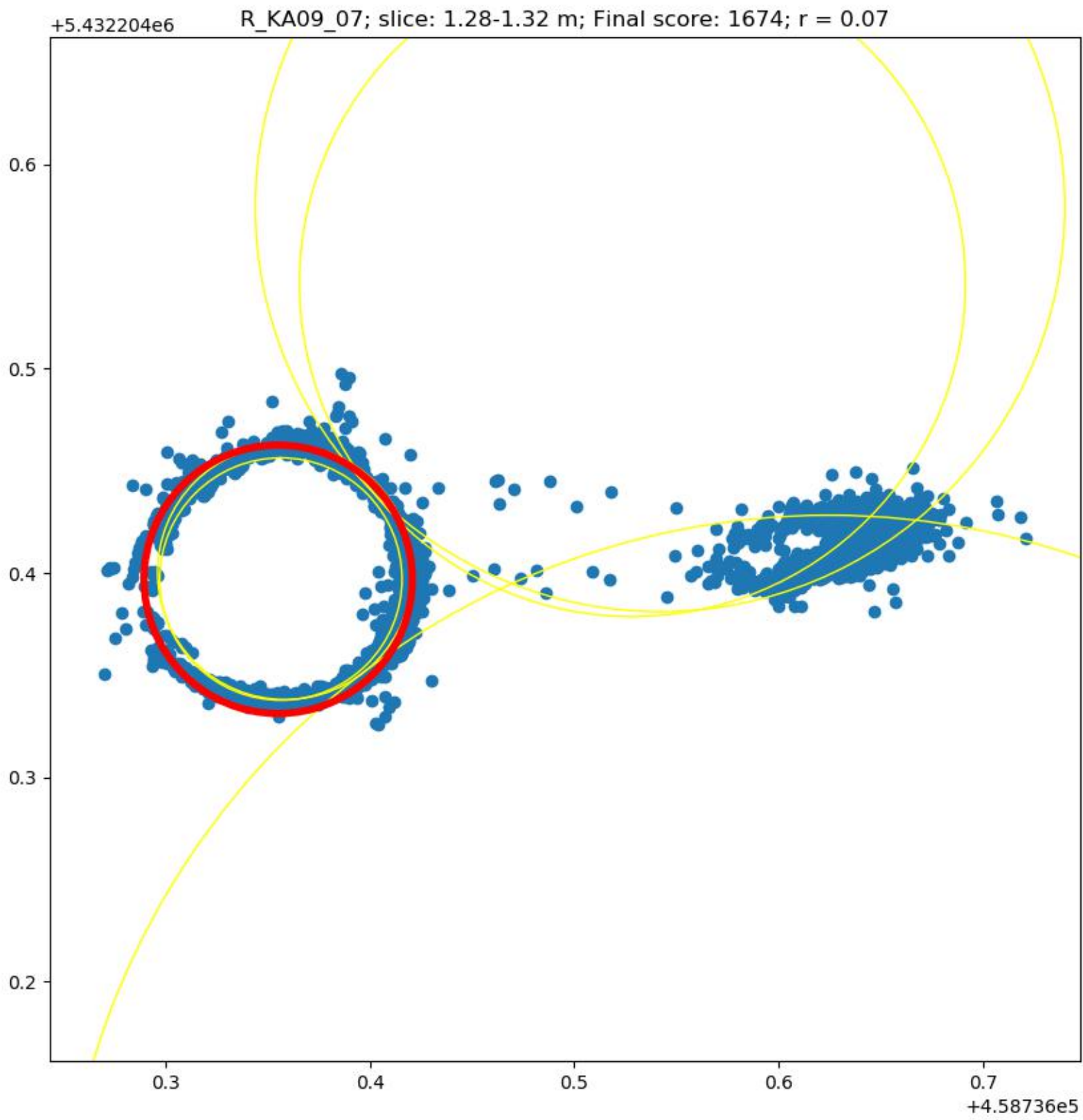


QueRub_KA09_T054

+5.432222e6 R_KA09_03; slice: 1.28-1.32 m; Final score: 922; r = 0.08

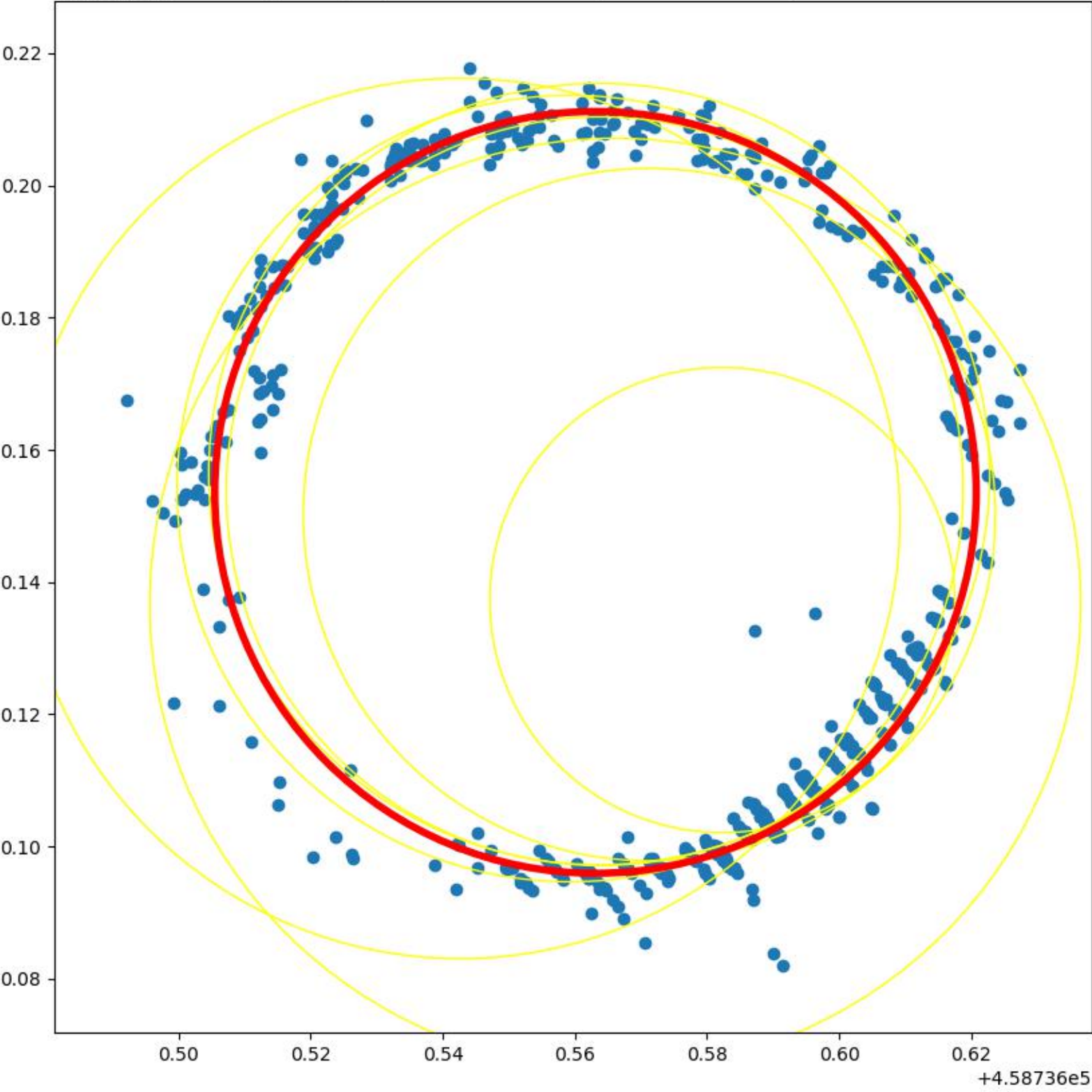


QueRub_KA09_T055

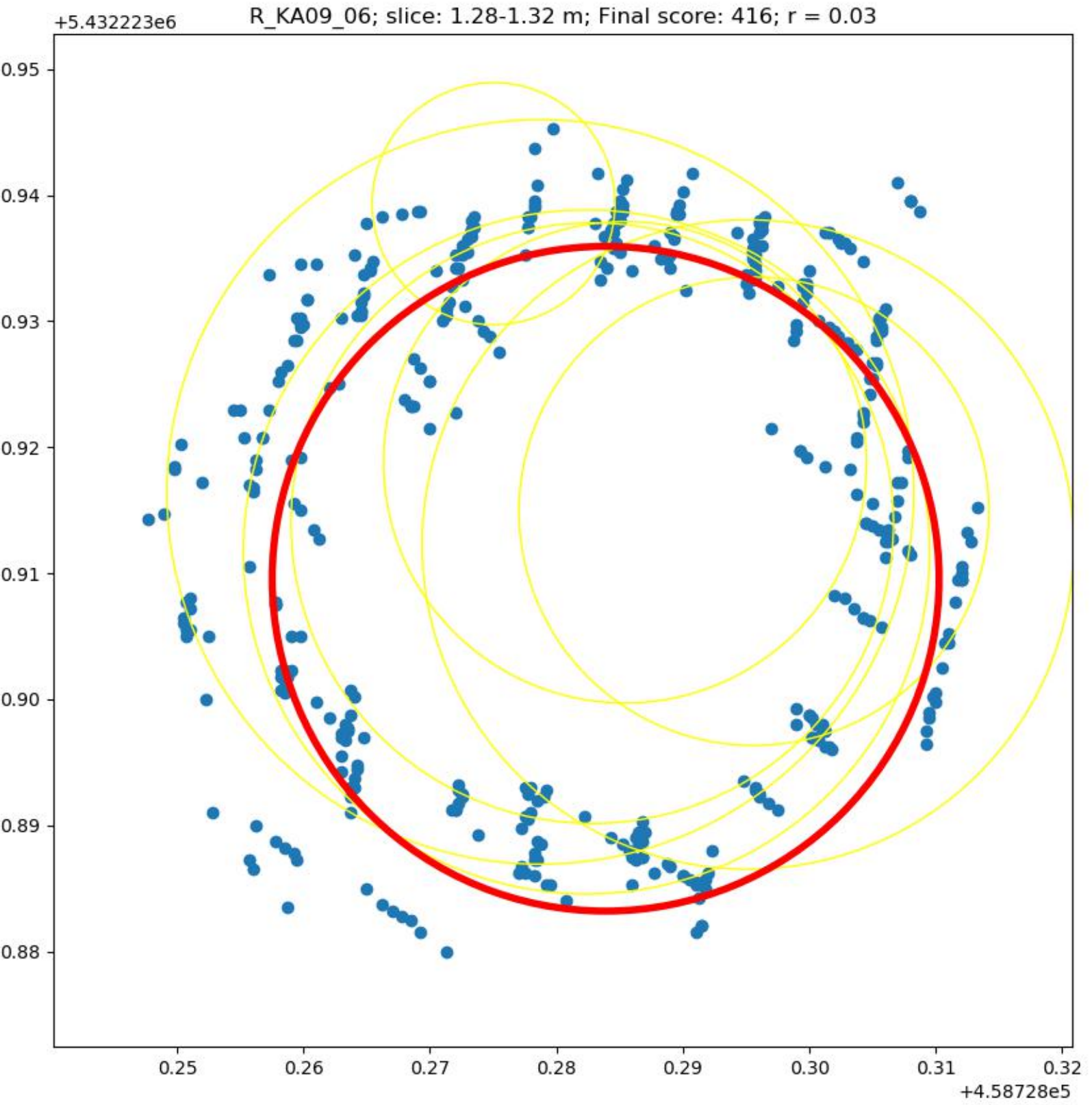


QueRub_KA09_T056

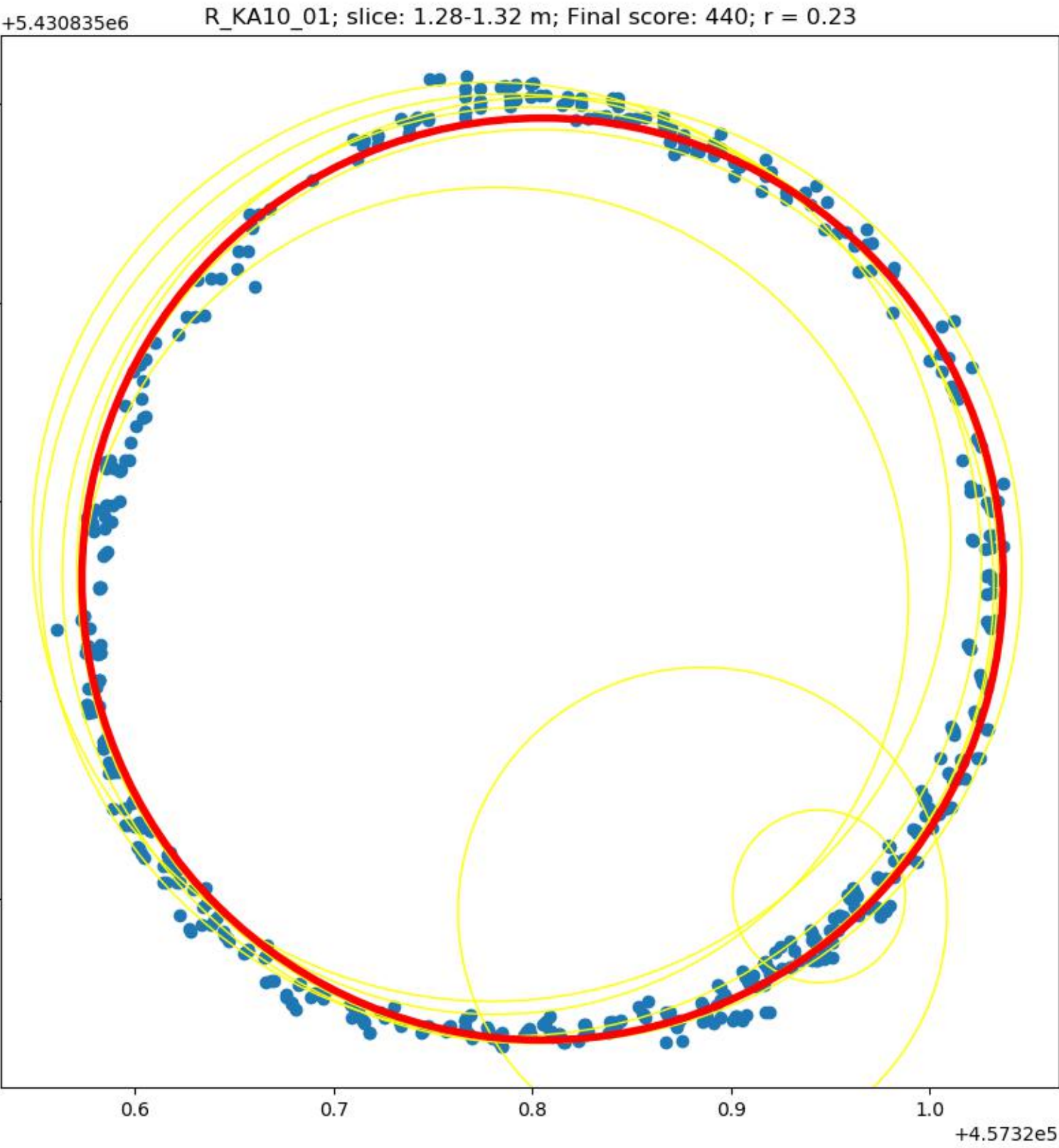
+5.43222e6 R_KA09_04; slice: 1.28-1.32 m; Final score: 539; r = 0.06



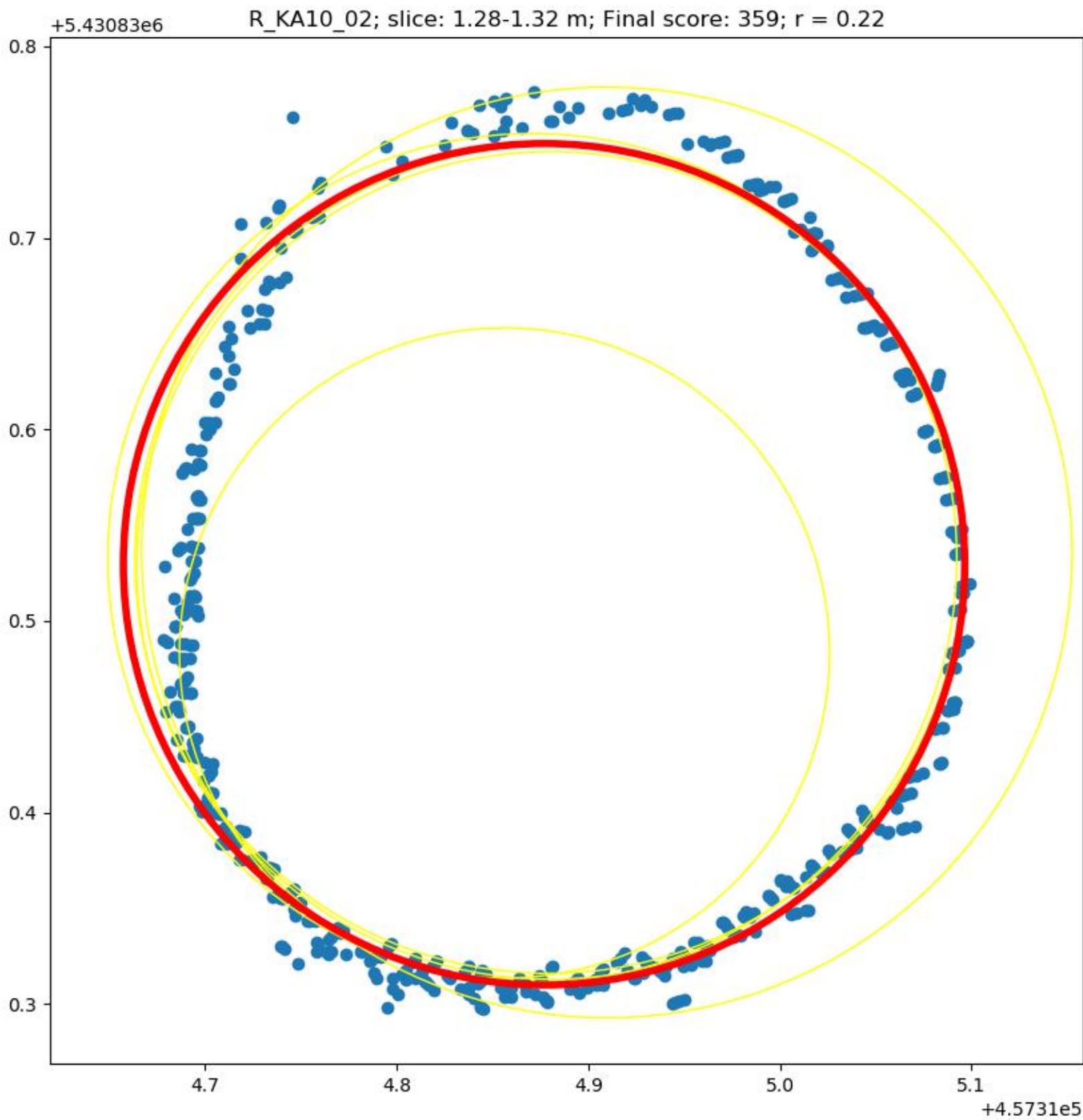
QueRub_KA09_T057



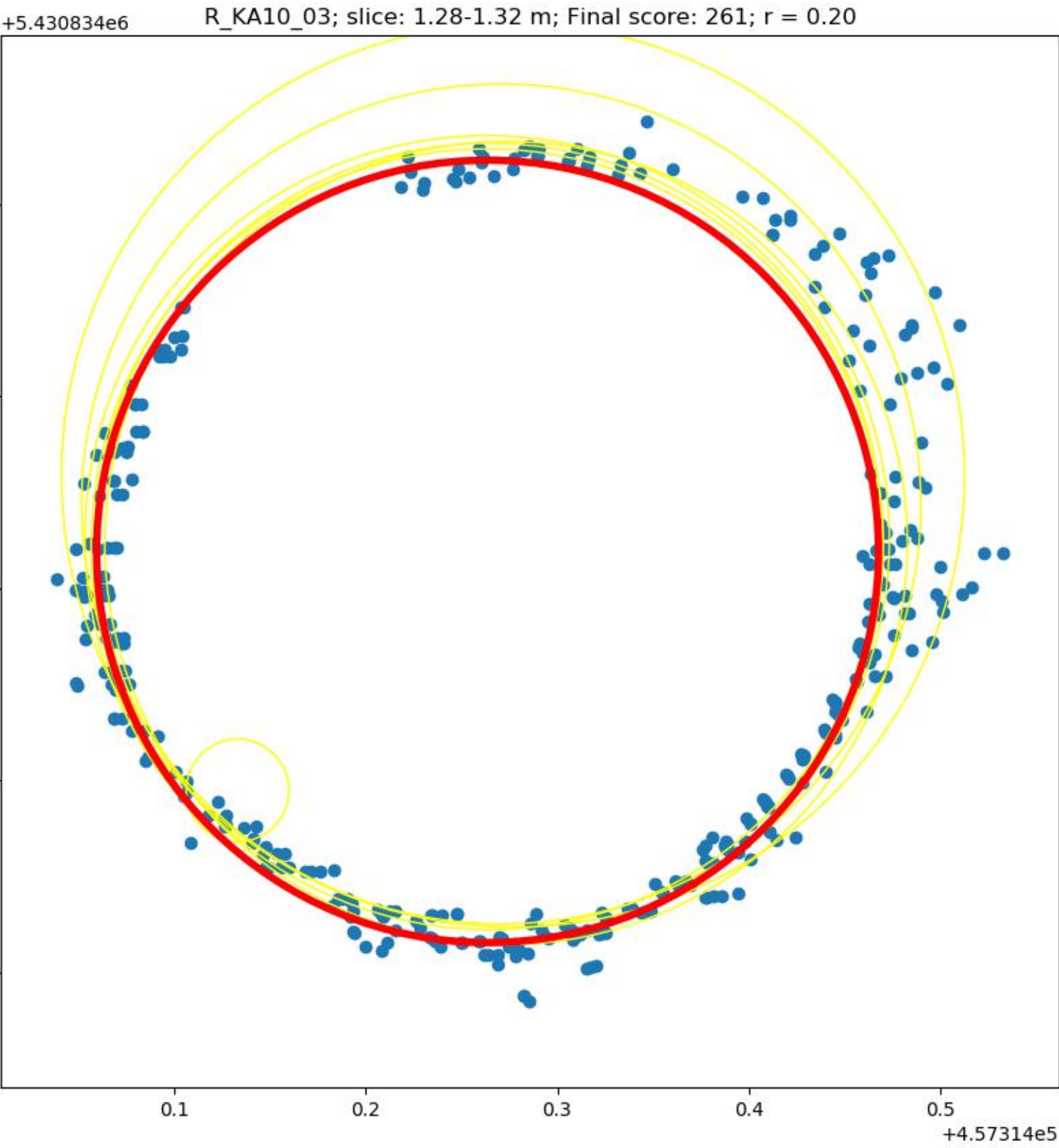
QueRub_KA10_01



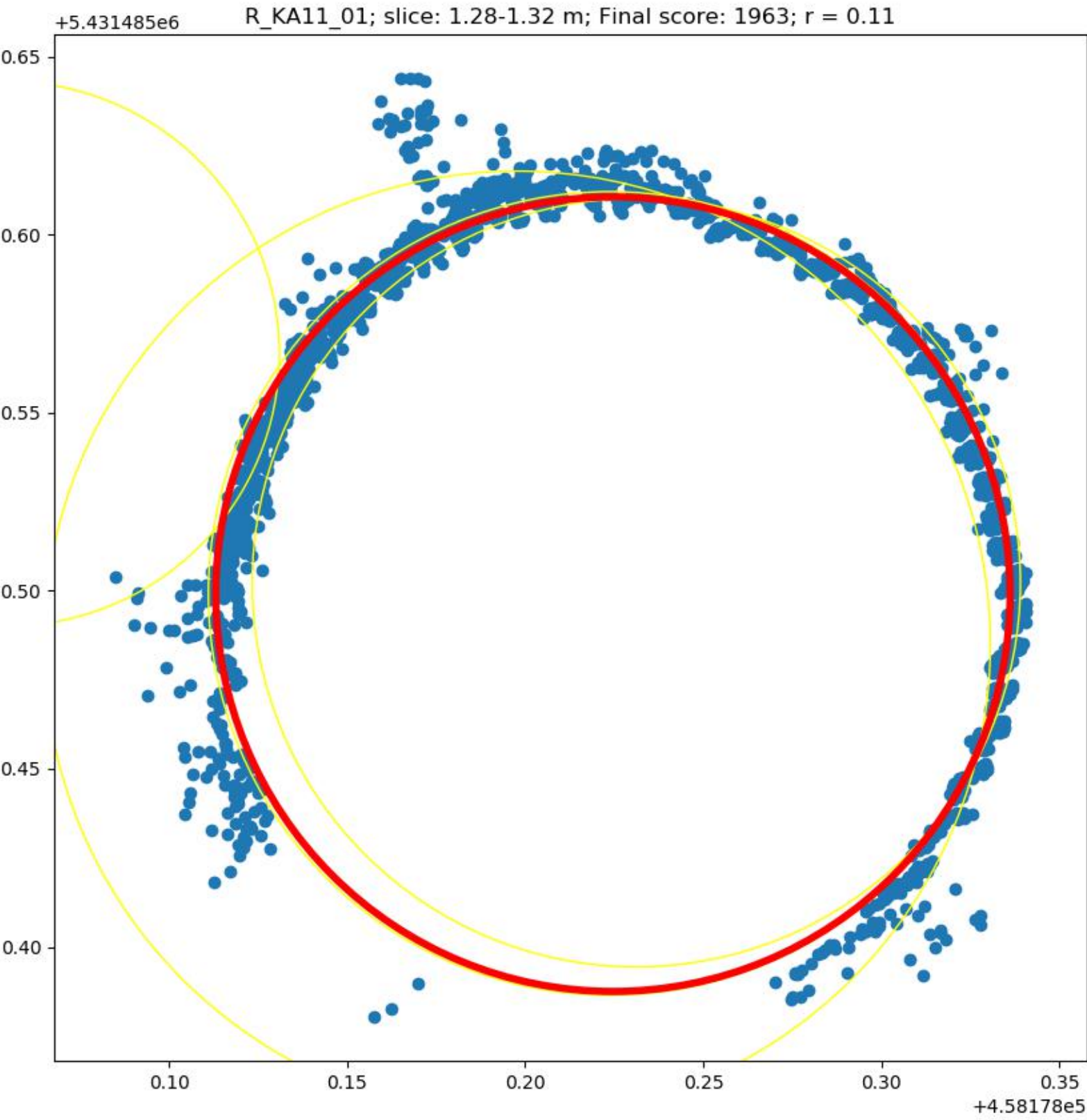
QueRub_KA10_02



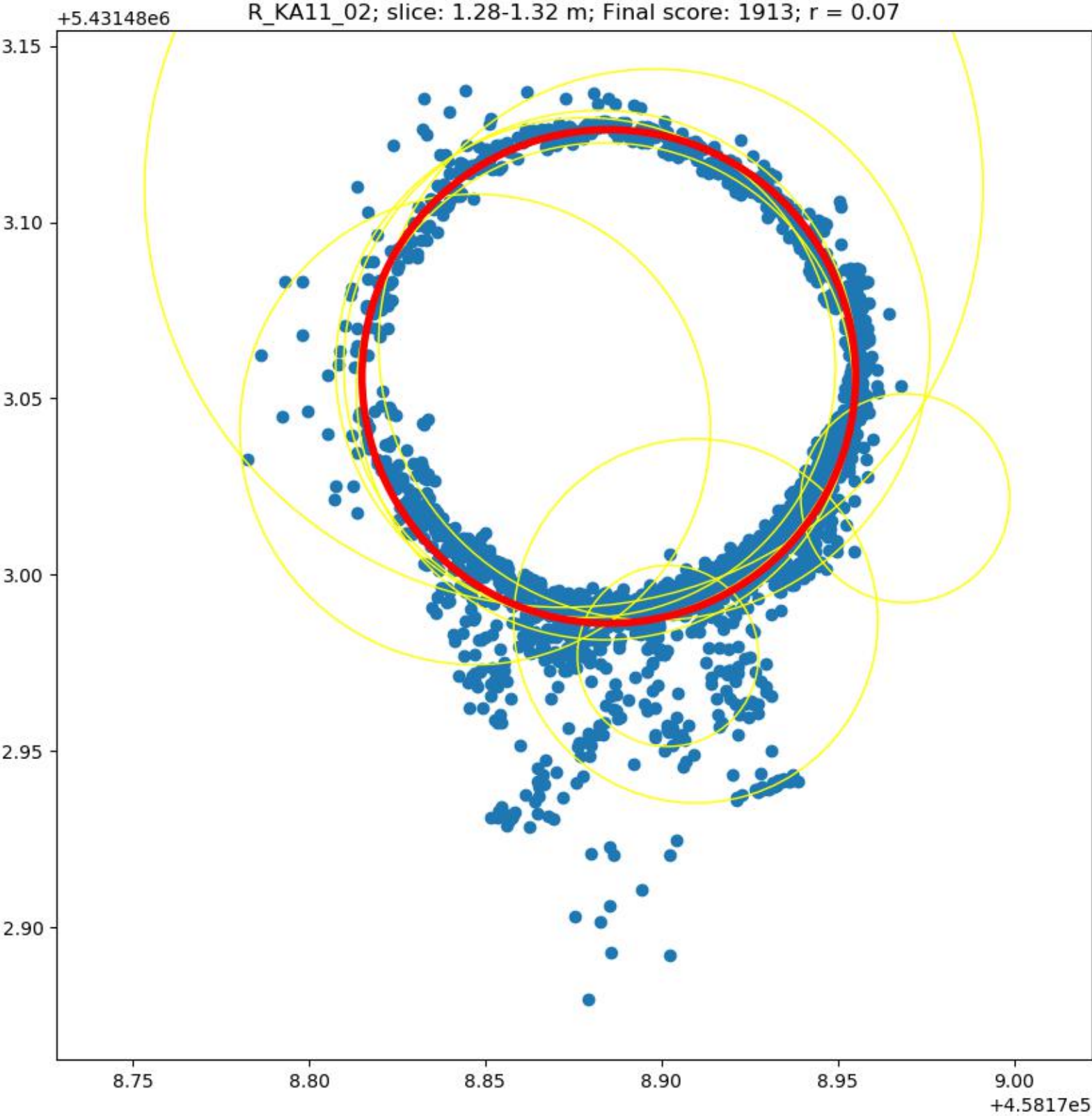
QueRub_KA10_03



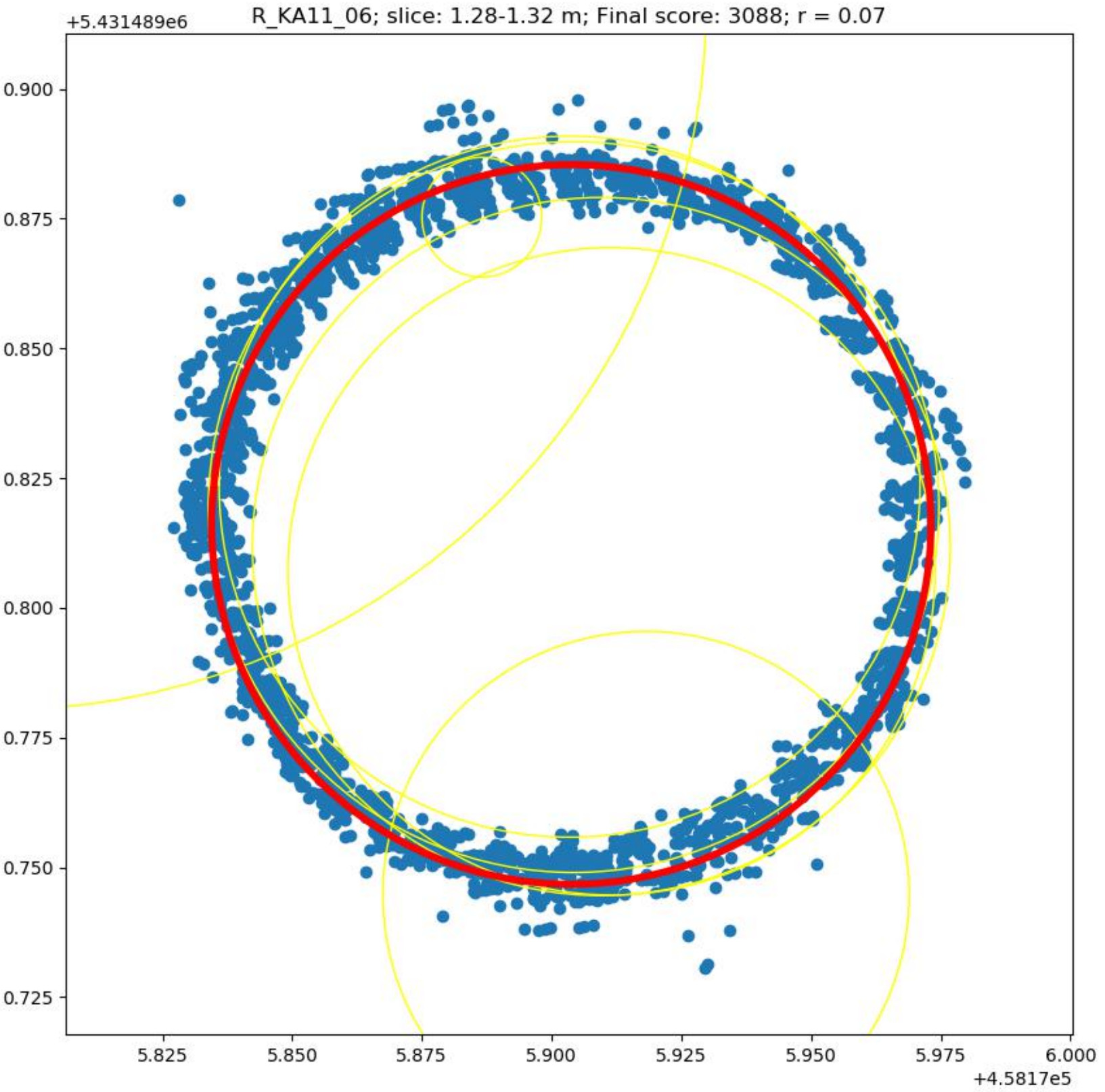
QueRub_KA11_01



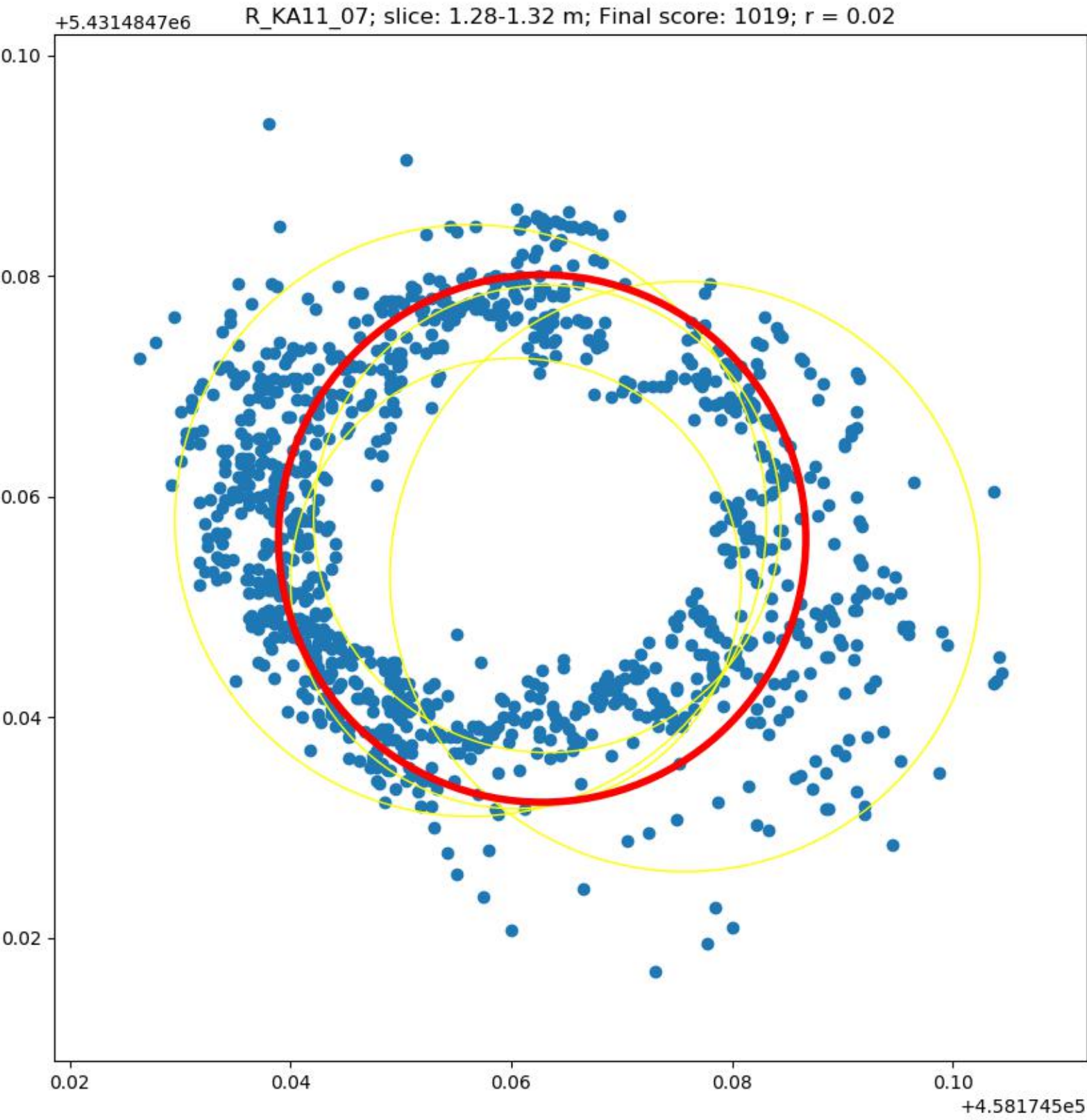
QueRub_KA11_02



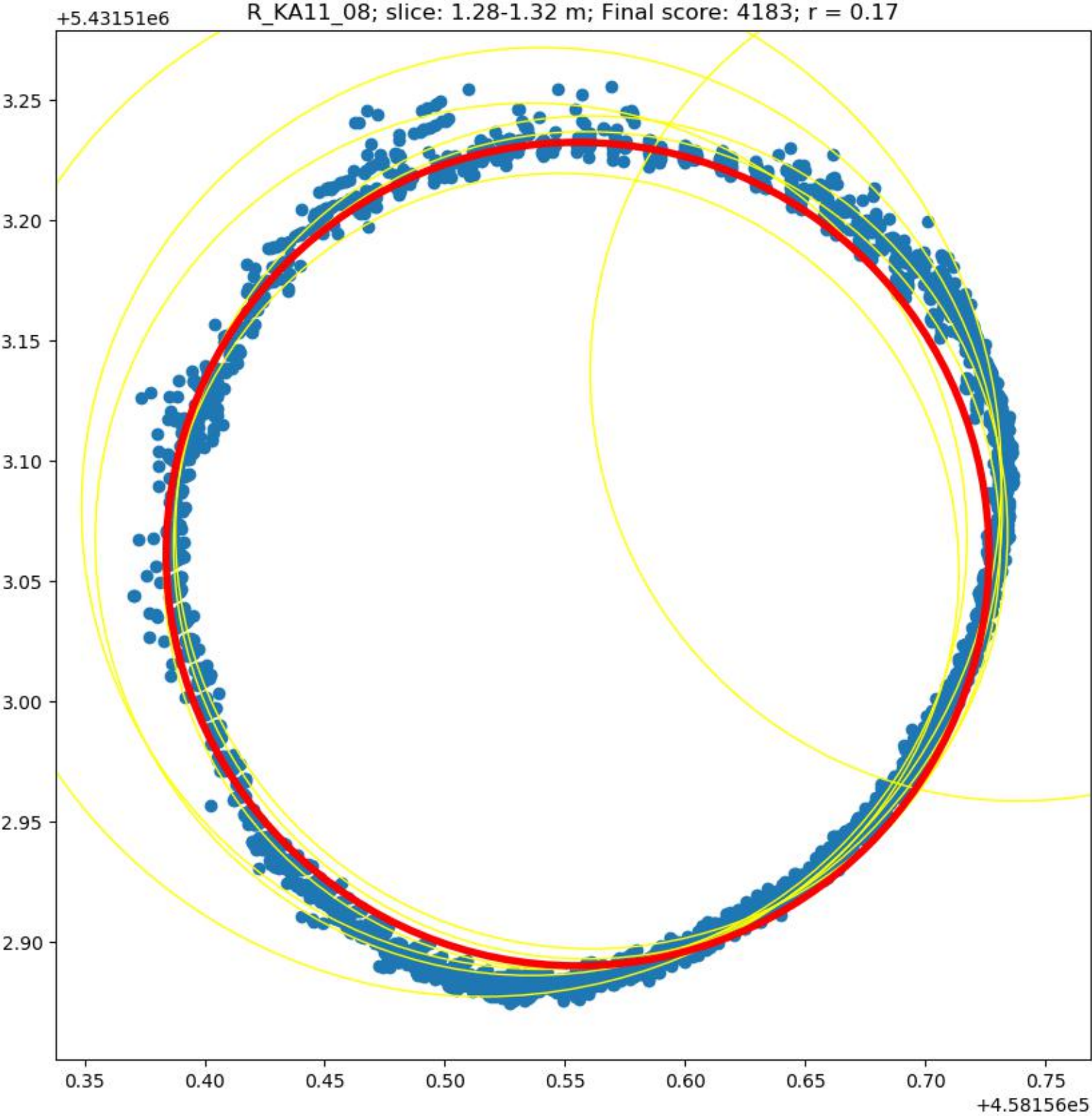
QueRub_KA11_06



QueRub_KA11_07

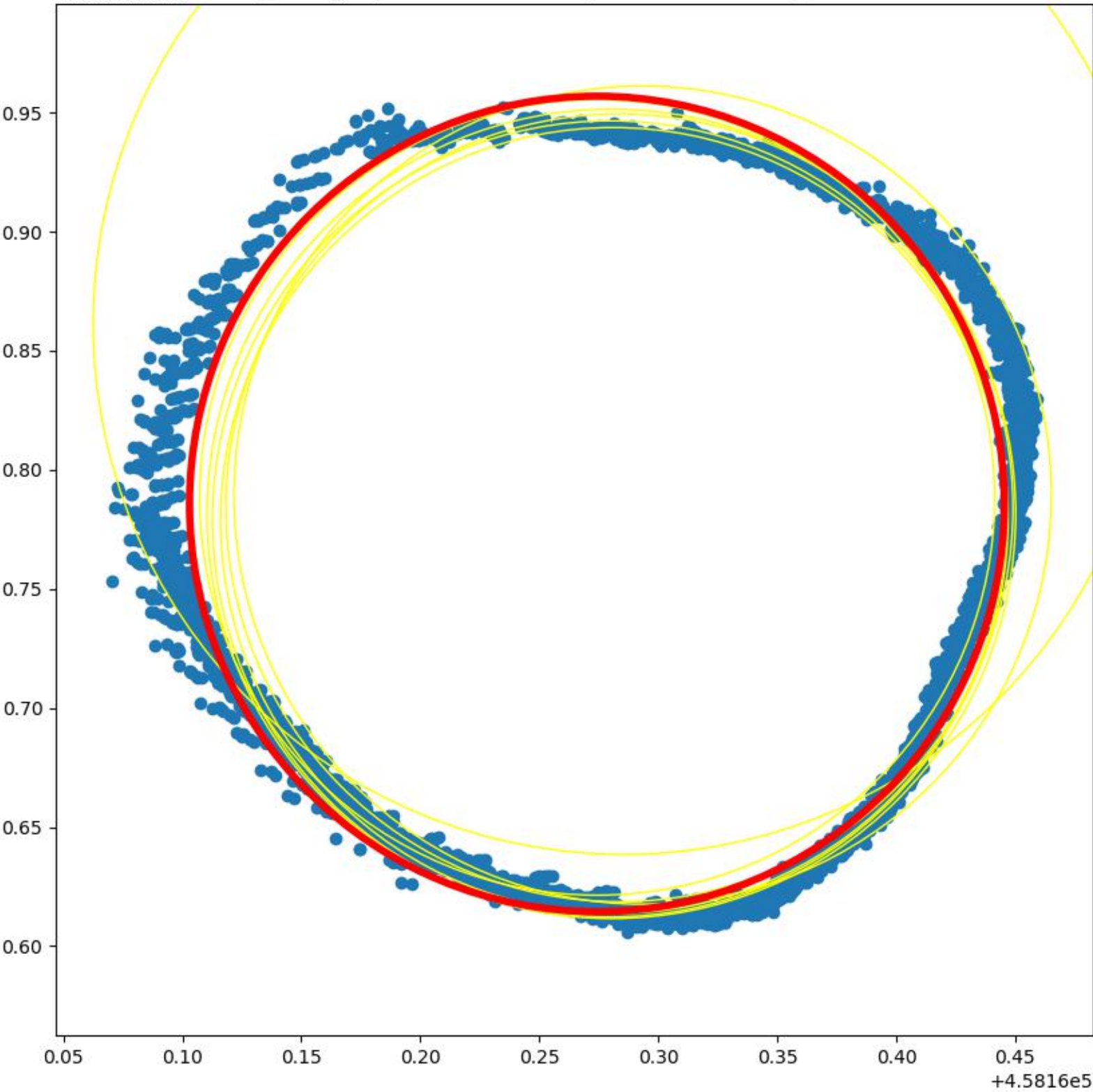


QueRub_KA11_08



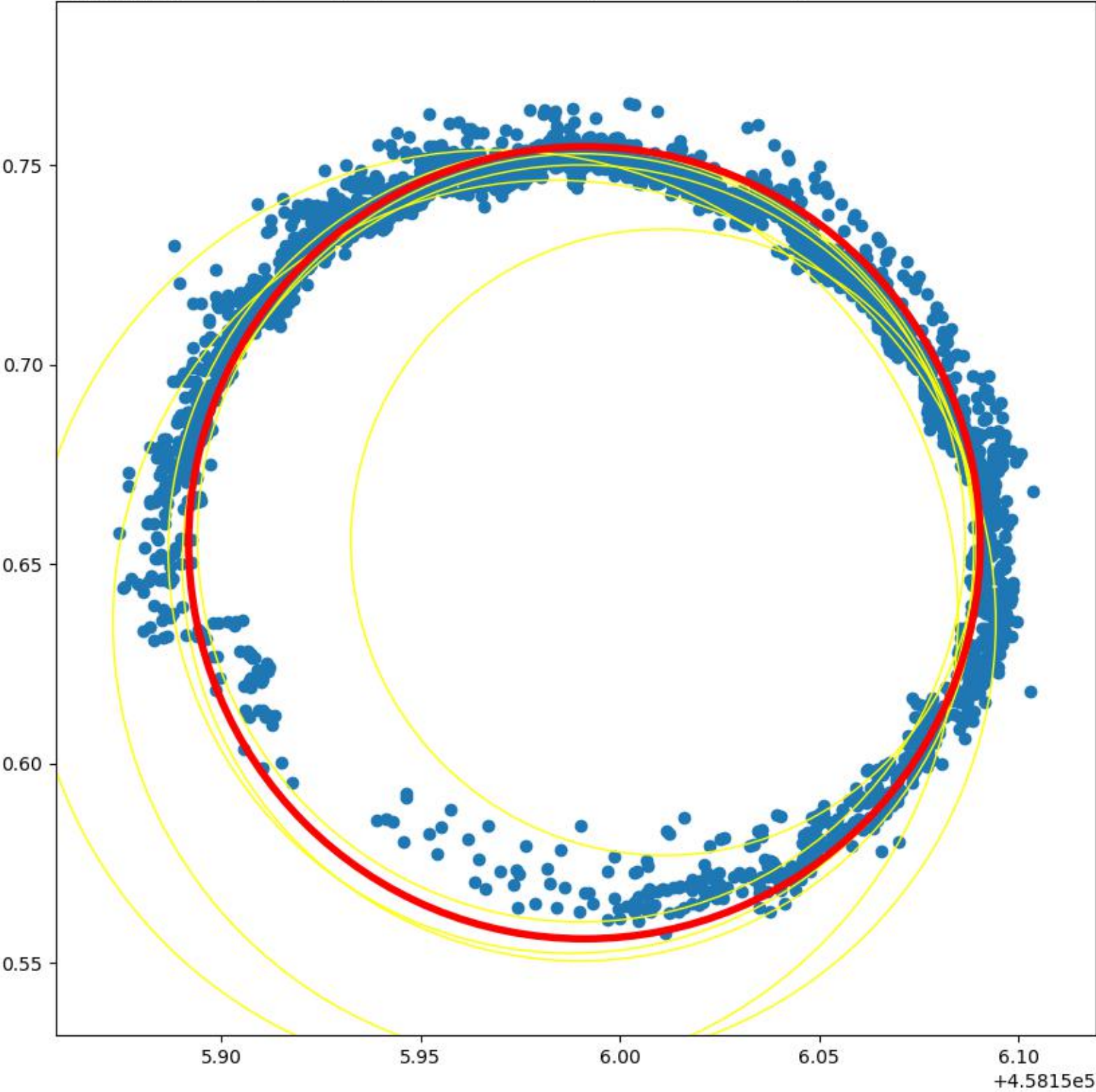
QueRub_KA11_09

+5.431513e6 R_KA11_09; slice: 1.28-1.32 m; Final score: 5172; r = 0.17

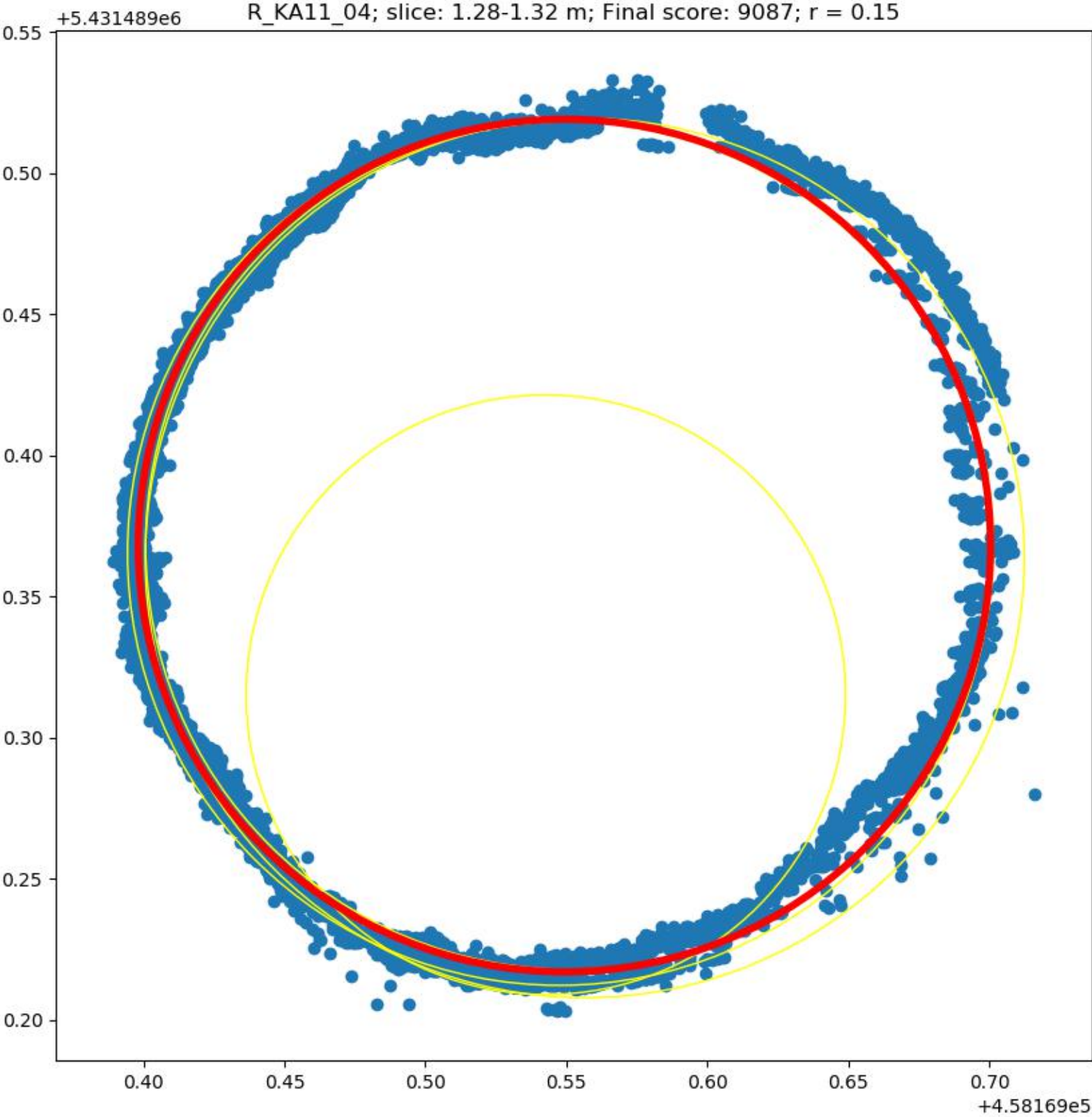


QueRub_KA11_10

+5.431525e6 R_KA11_10; slice: 1.28-1.32 m; Final score: 3047; r = 0.10

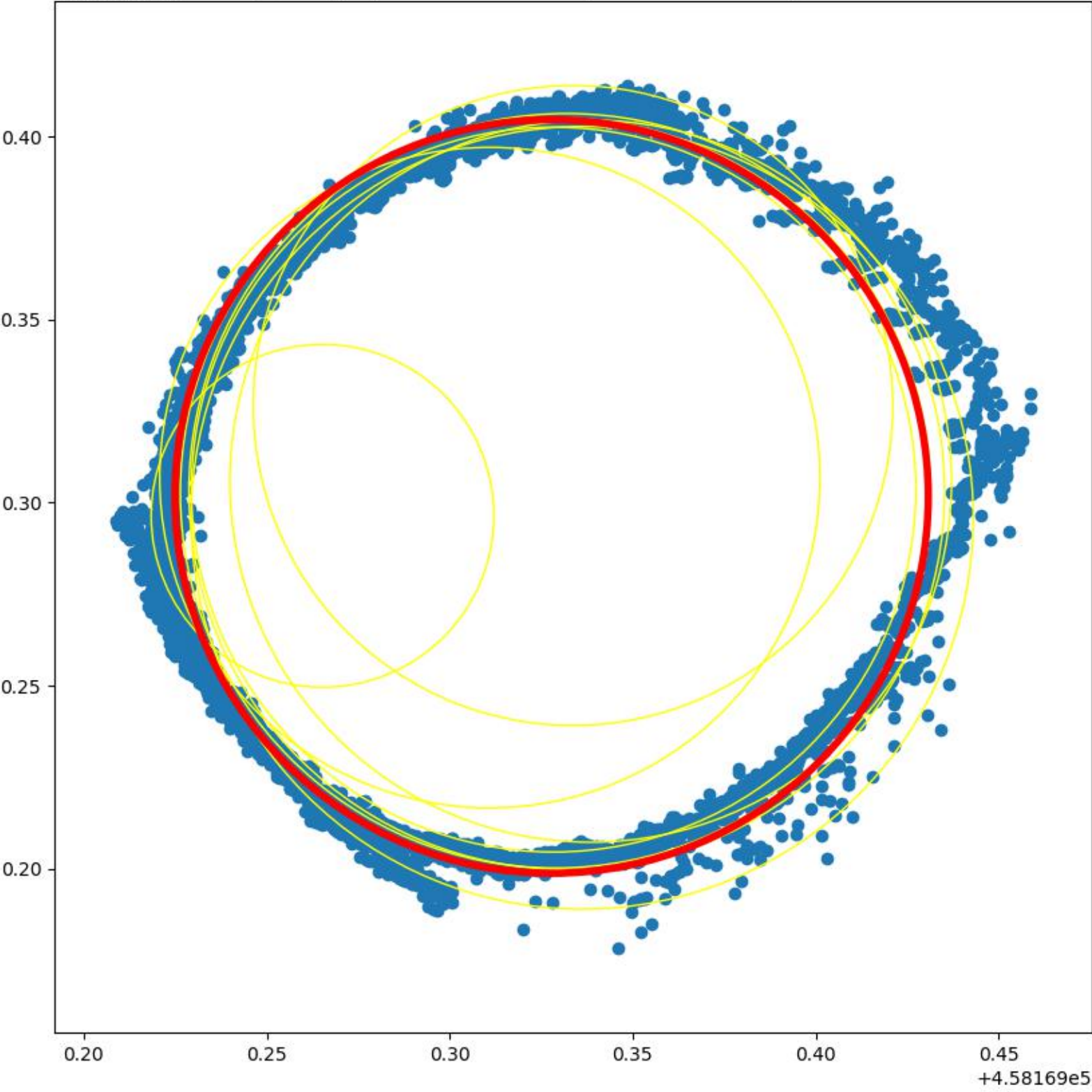


QueRub_KA11_P14Tree17



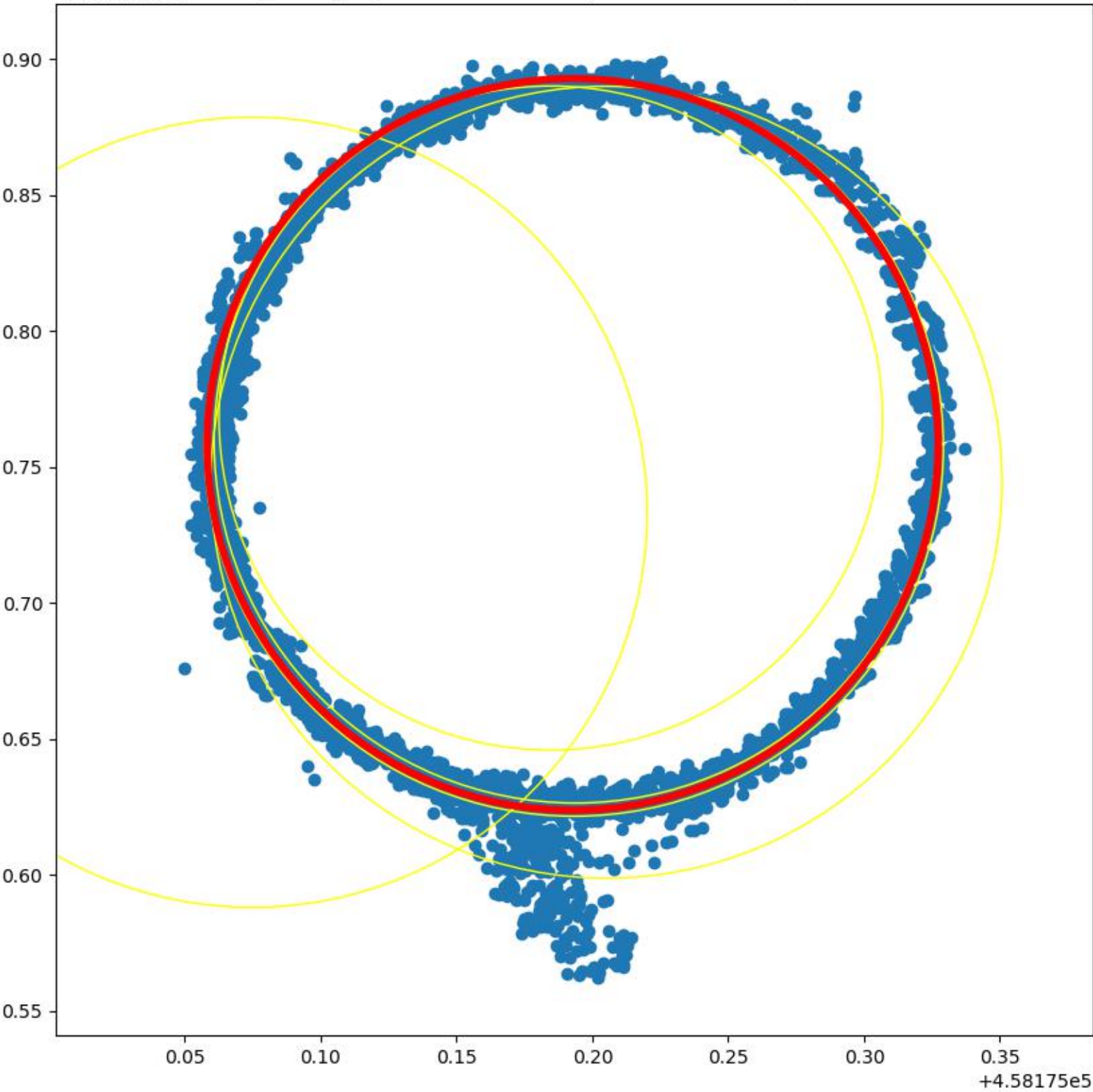
QueRub_KA11_P14Tree18

+5.431485e6 R_KA11_05; slice: 1.28-1.32 m; Final score: 6826; r = 0.10

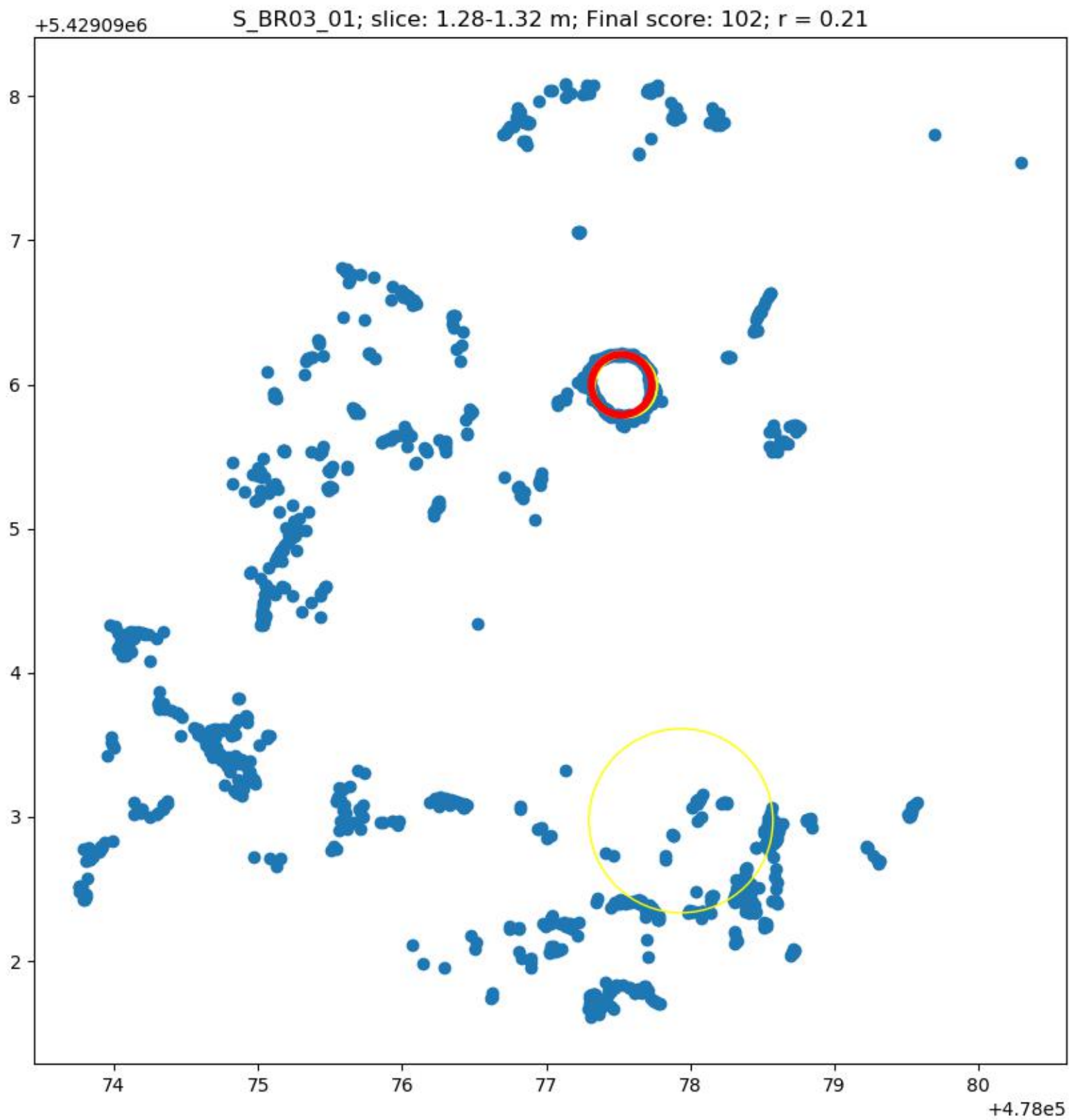


QueRub_KA11_P14Tree19

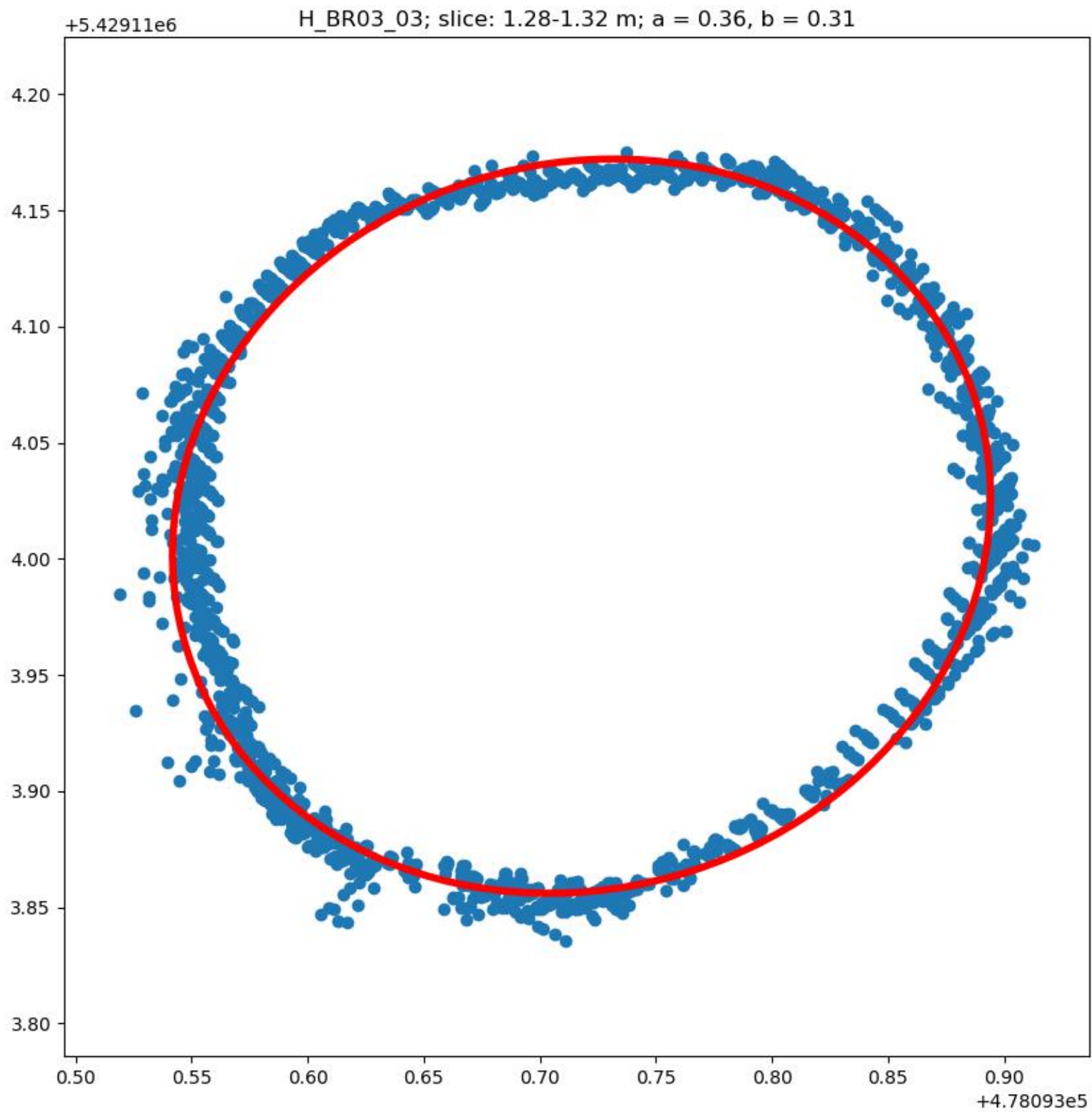
+5.431485e6 R_KA11_03; slice: 1.28-1.32 m; Final score: 5532; r = 0.13



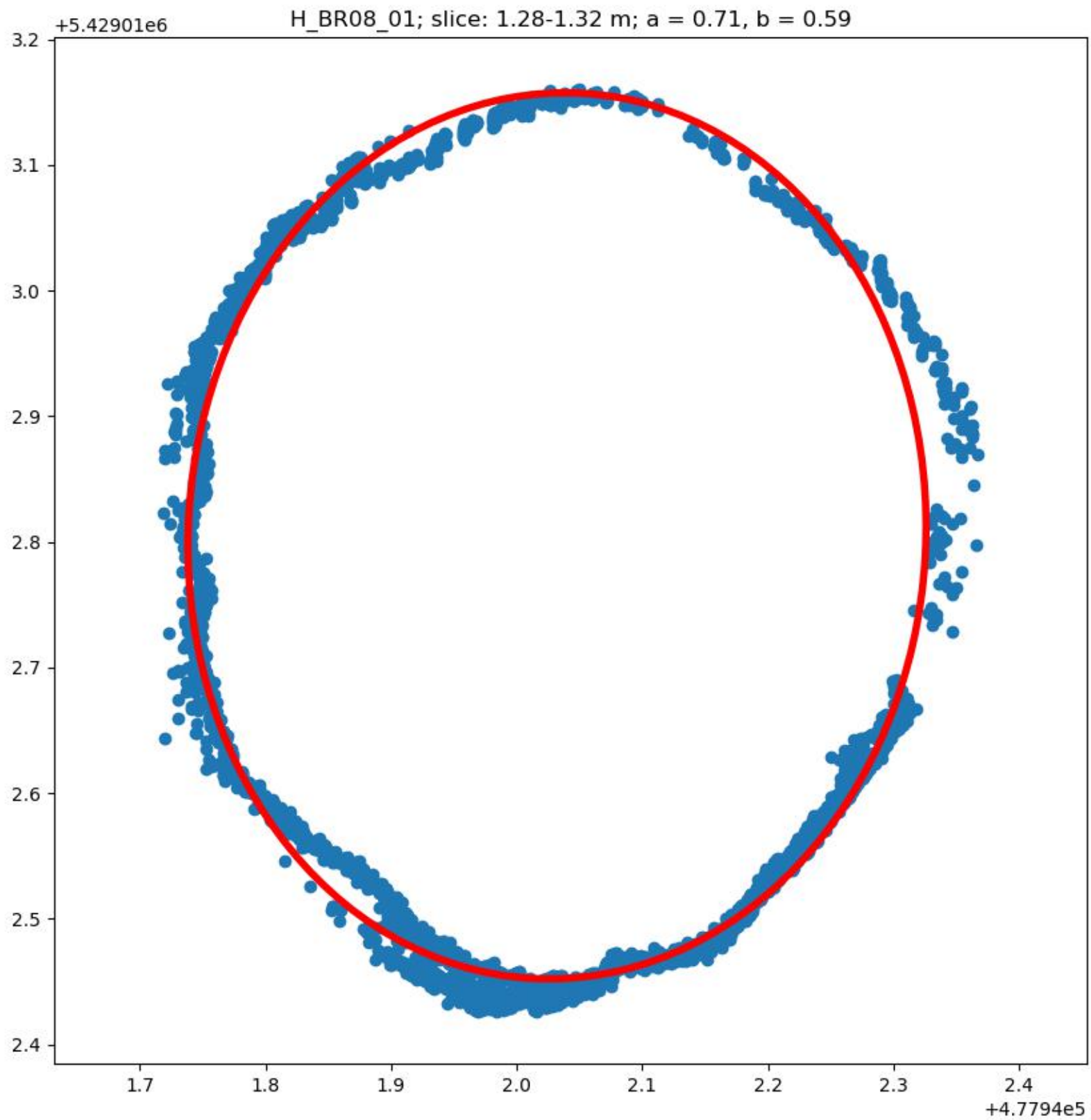
TsuHet_BR03_01



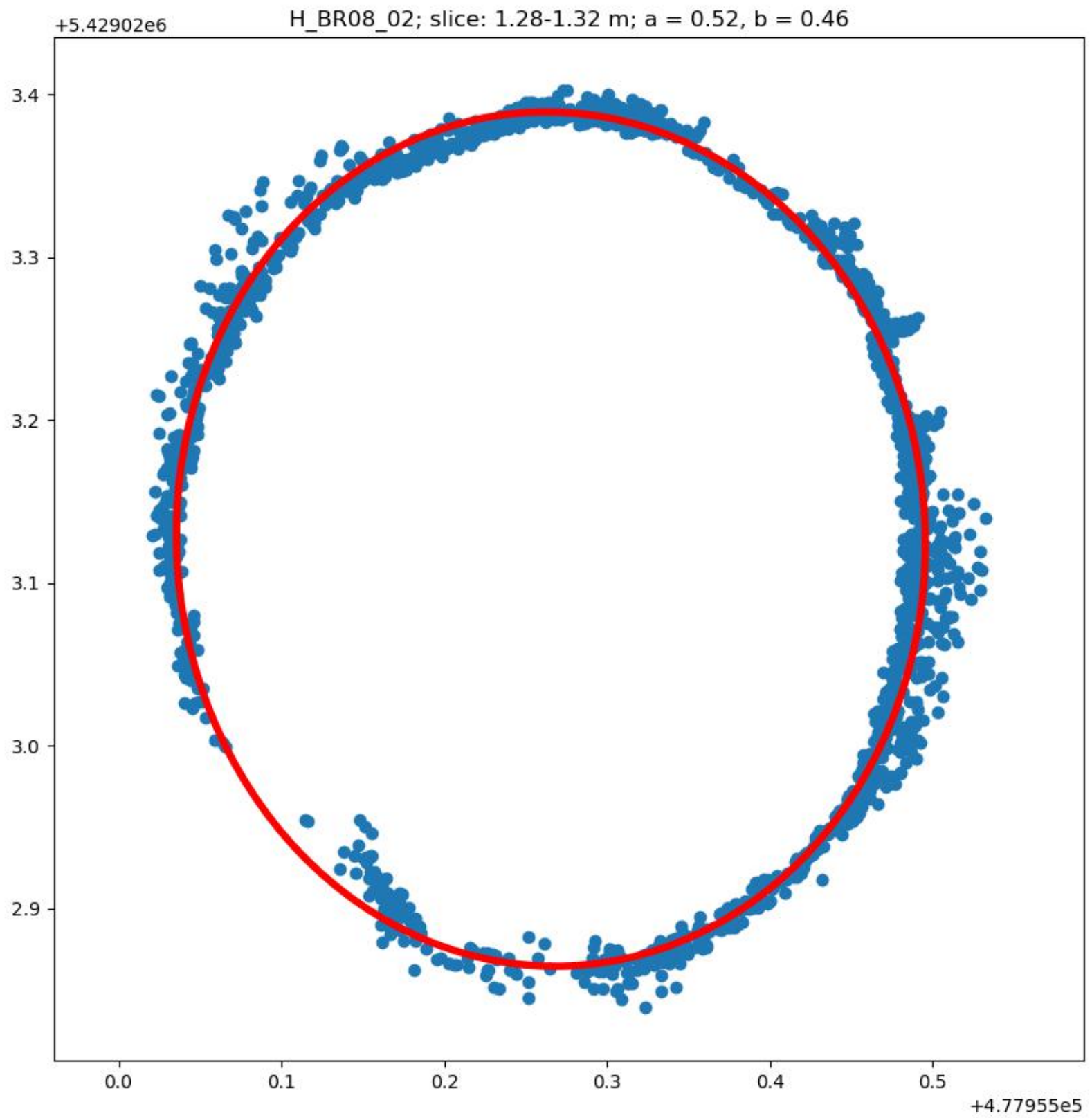
AcePse_BR03_03



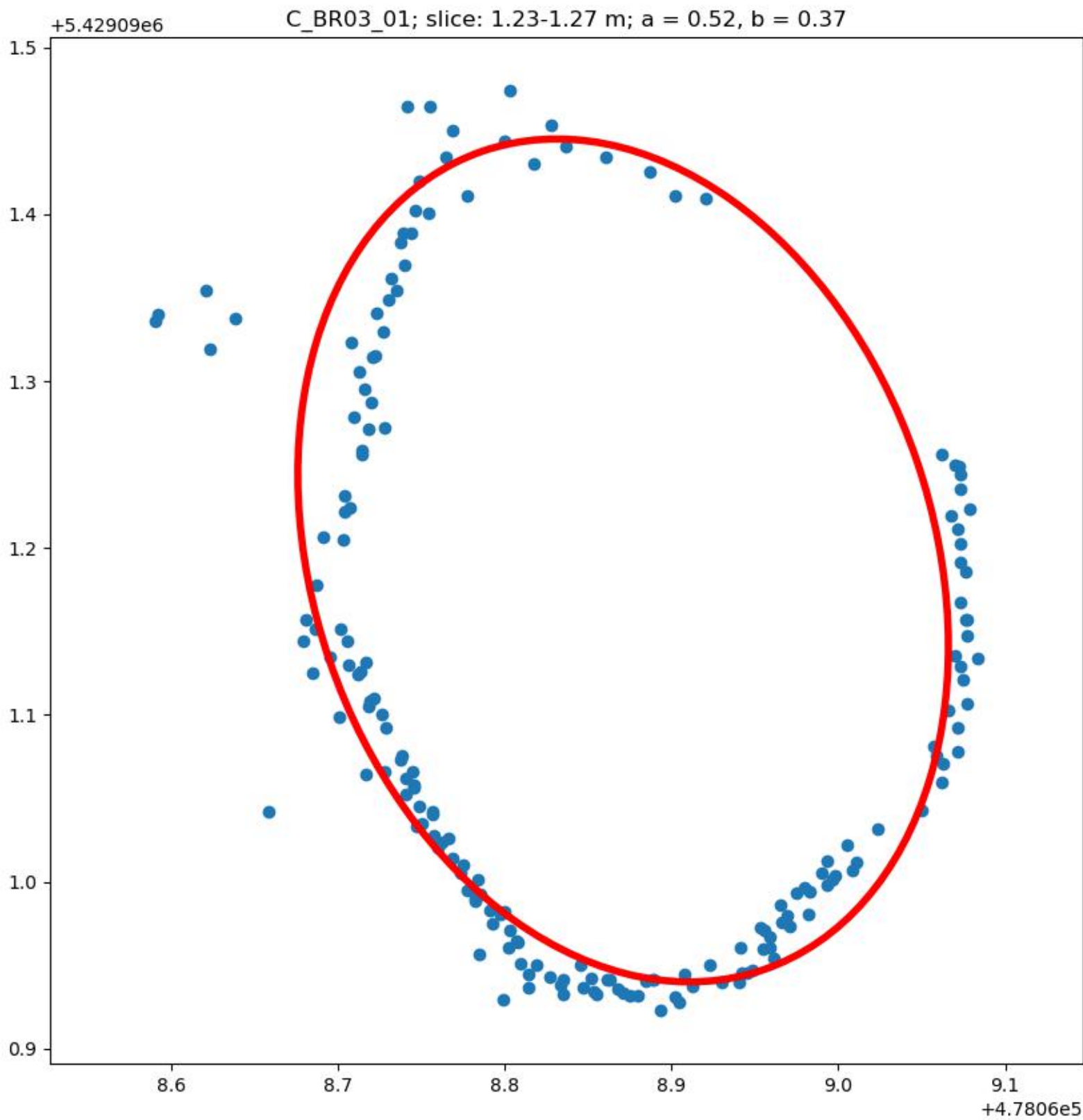
AcePse_BR08_01



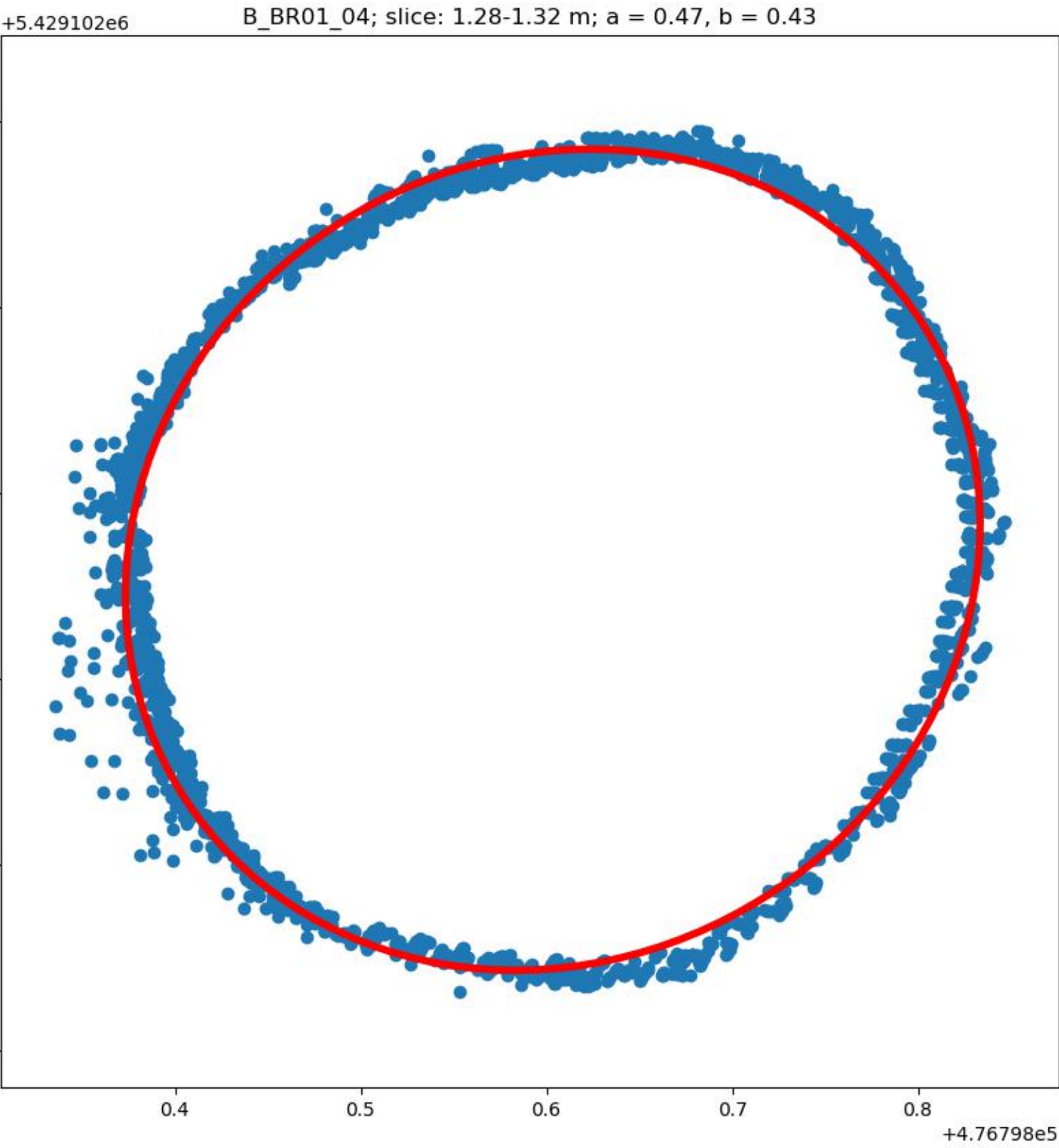
AcePse_BR08_02



CarBet_BR03_01

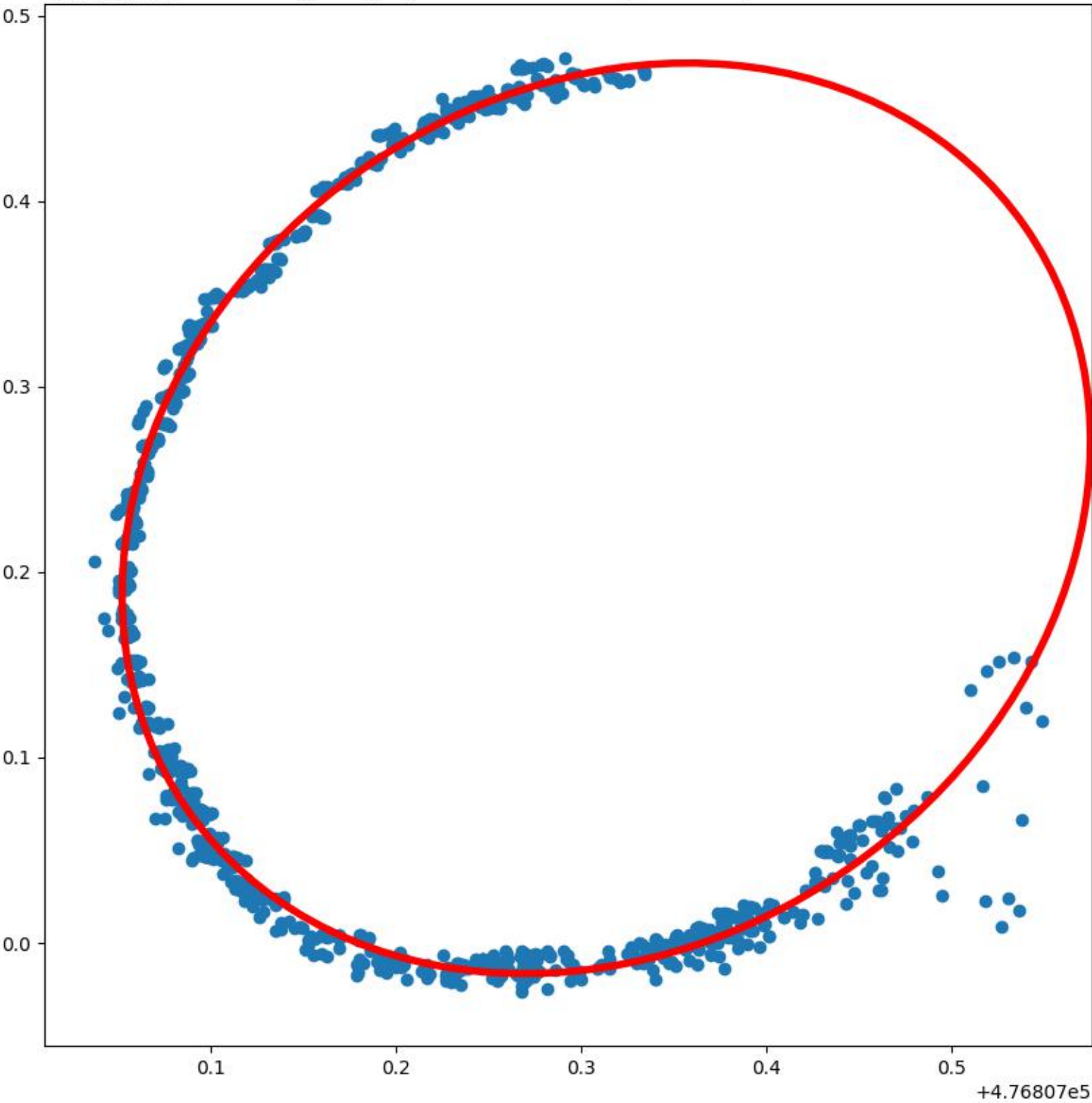


FagSyl_BR01_04



FagSyl_BR01_05

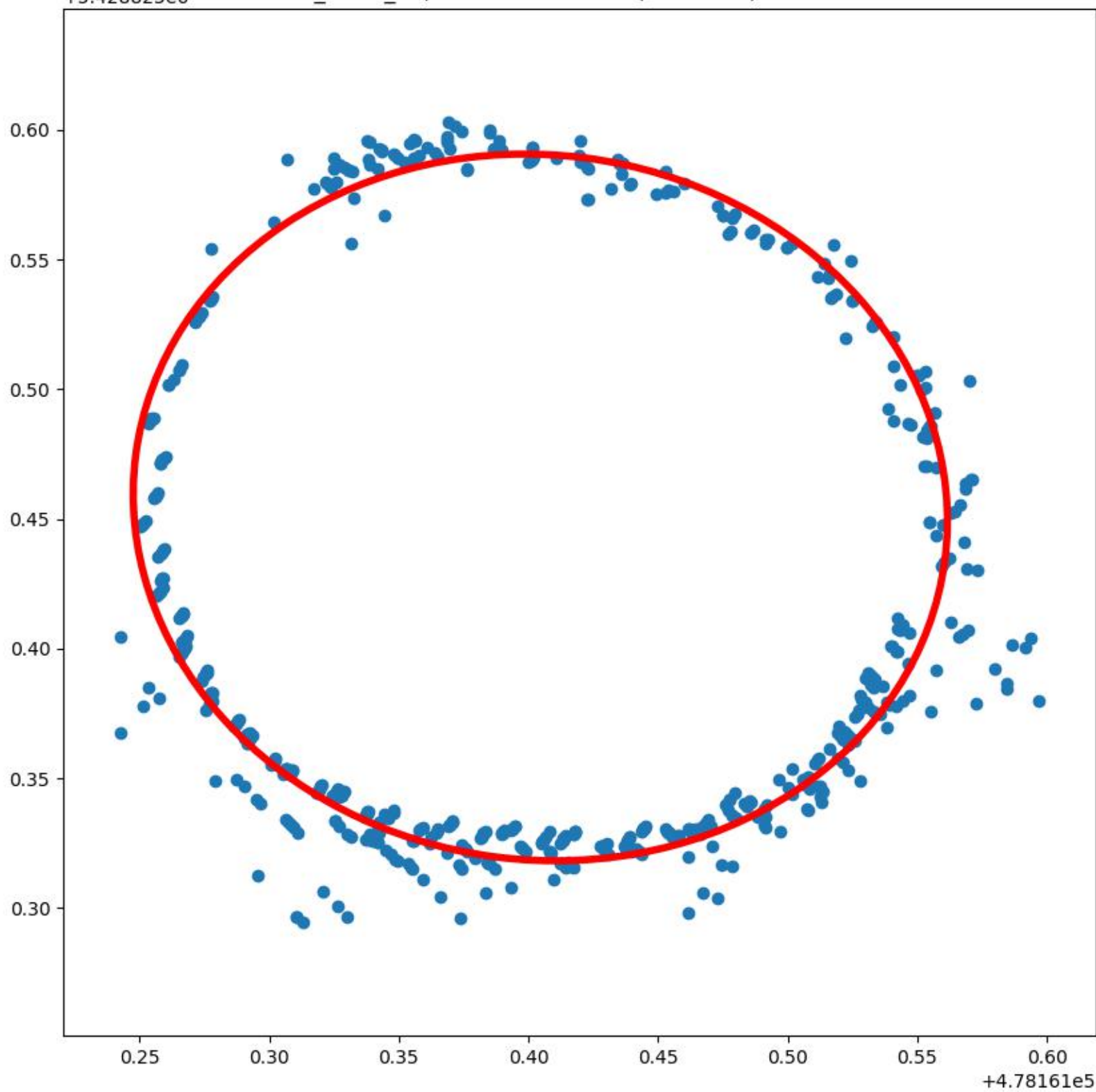
+5.429104e6 B_BR01_05; slice: 1.28-1.32 m; a = 0.55, b = 0.46



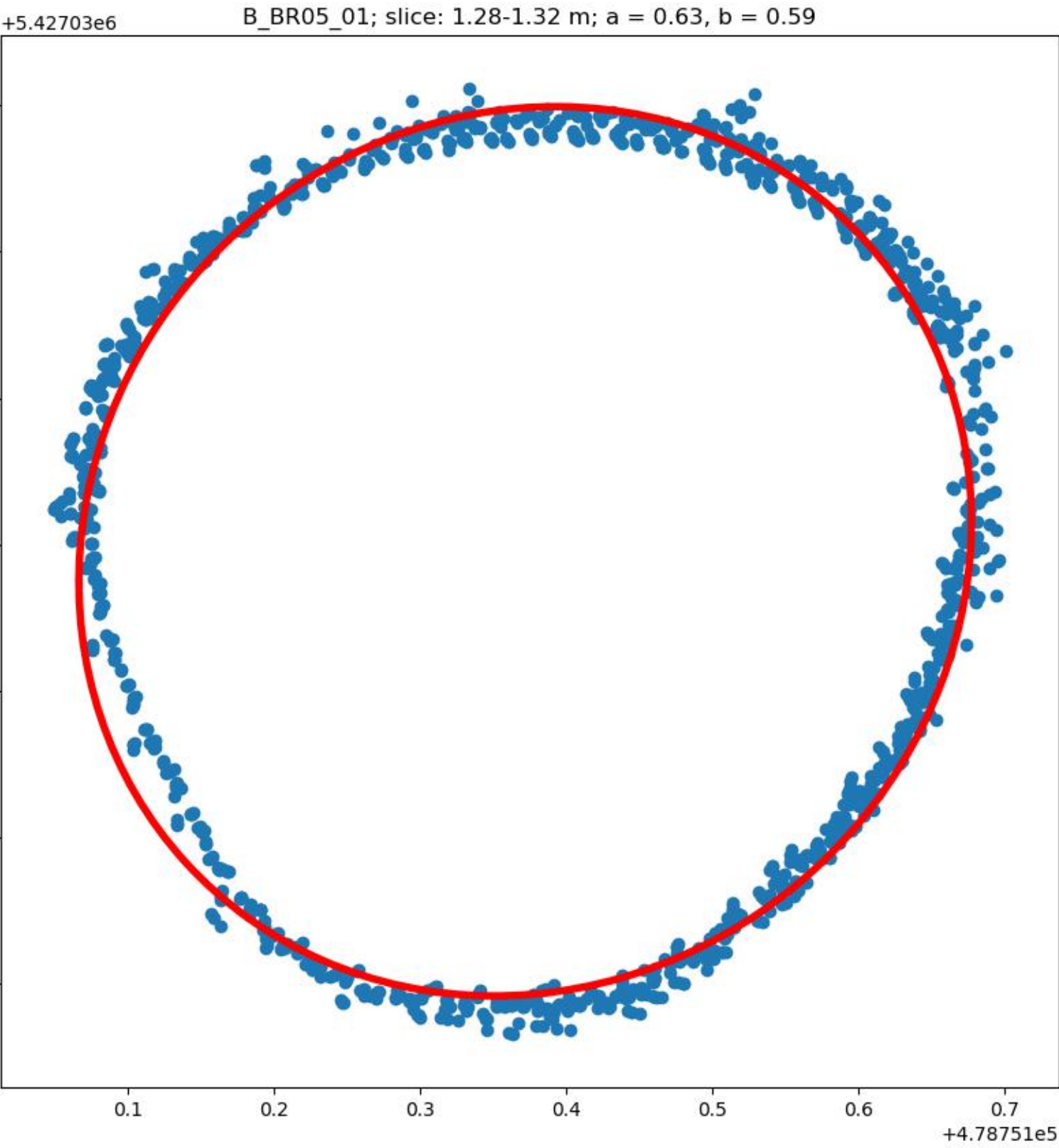
FagSyl_BR02_01

+5.428825e6

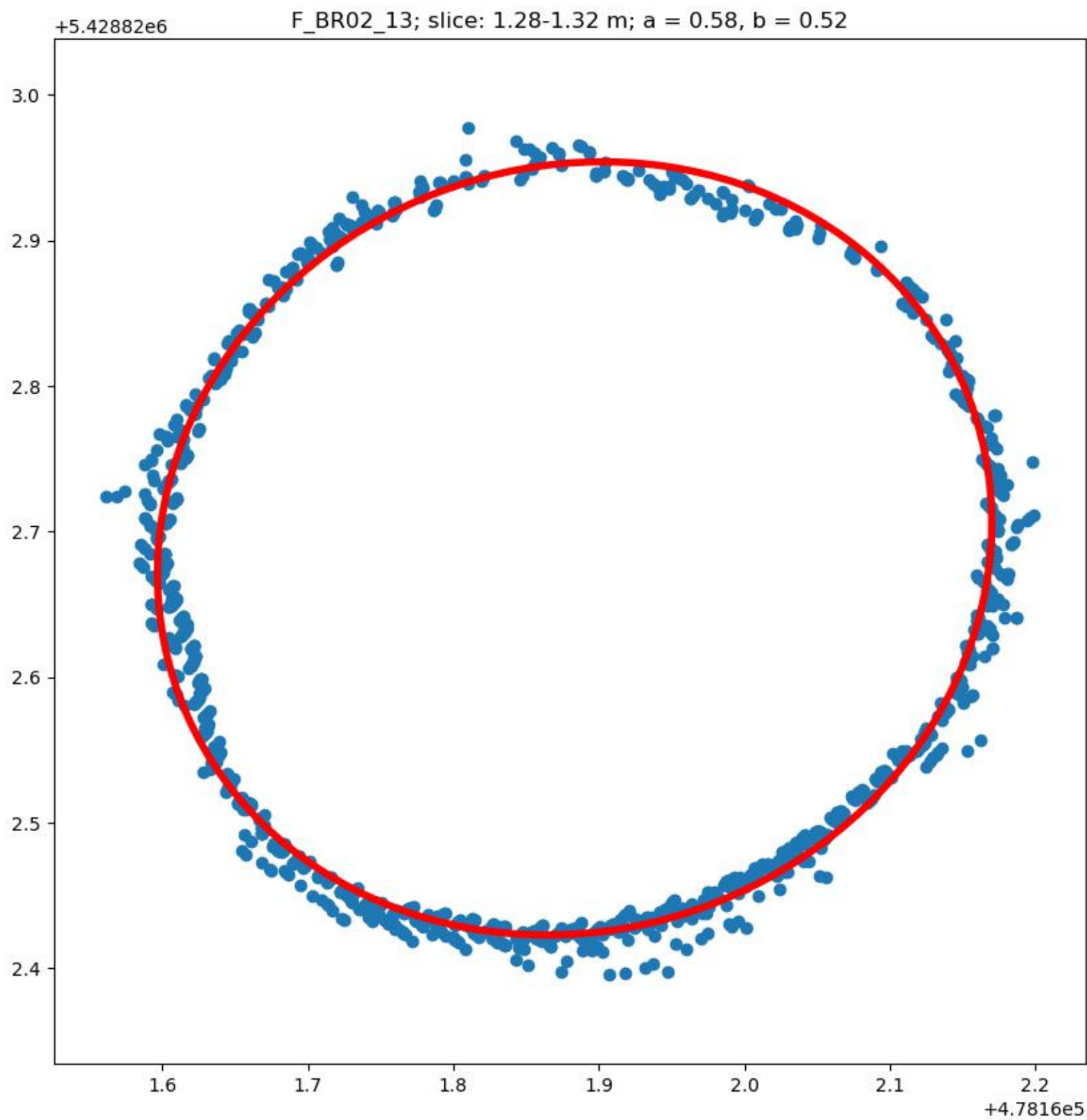
B_BR02_01; slice: 1.28-1.32 m; a = 0.31, b = 0.27



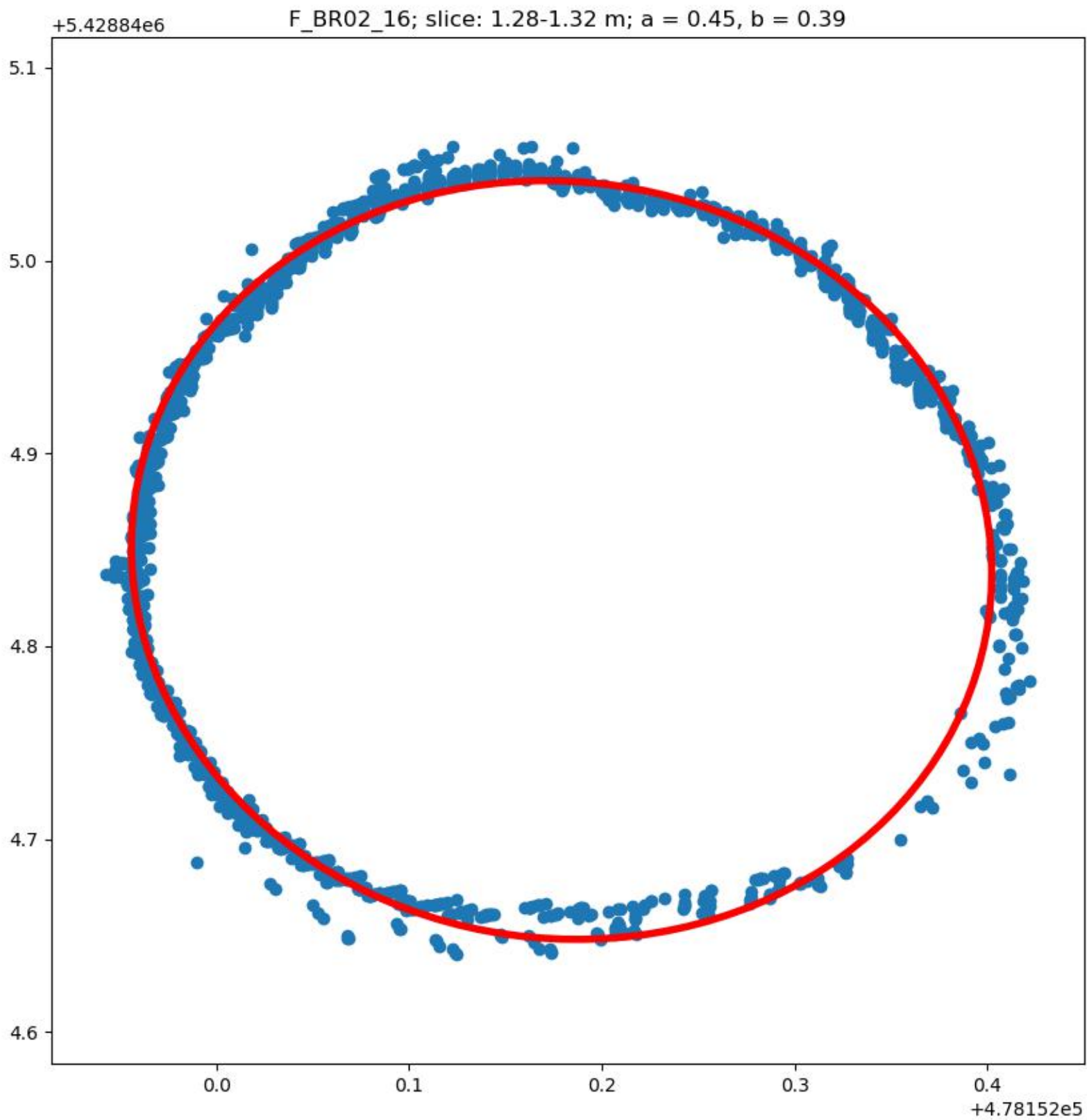
FagSyl_BR05_P8T4



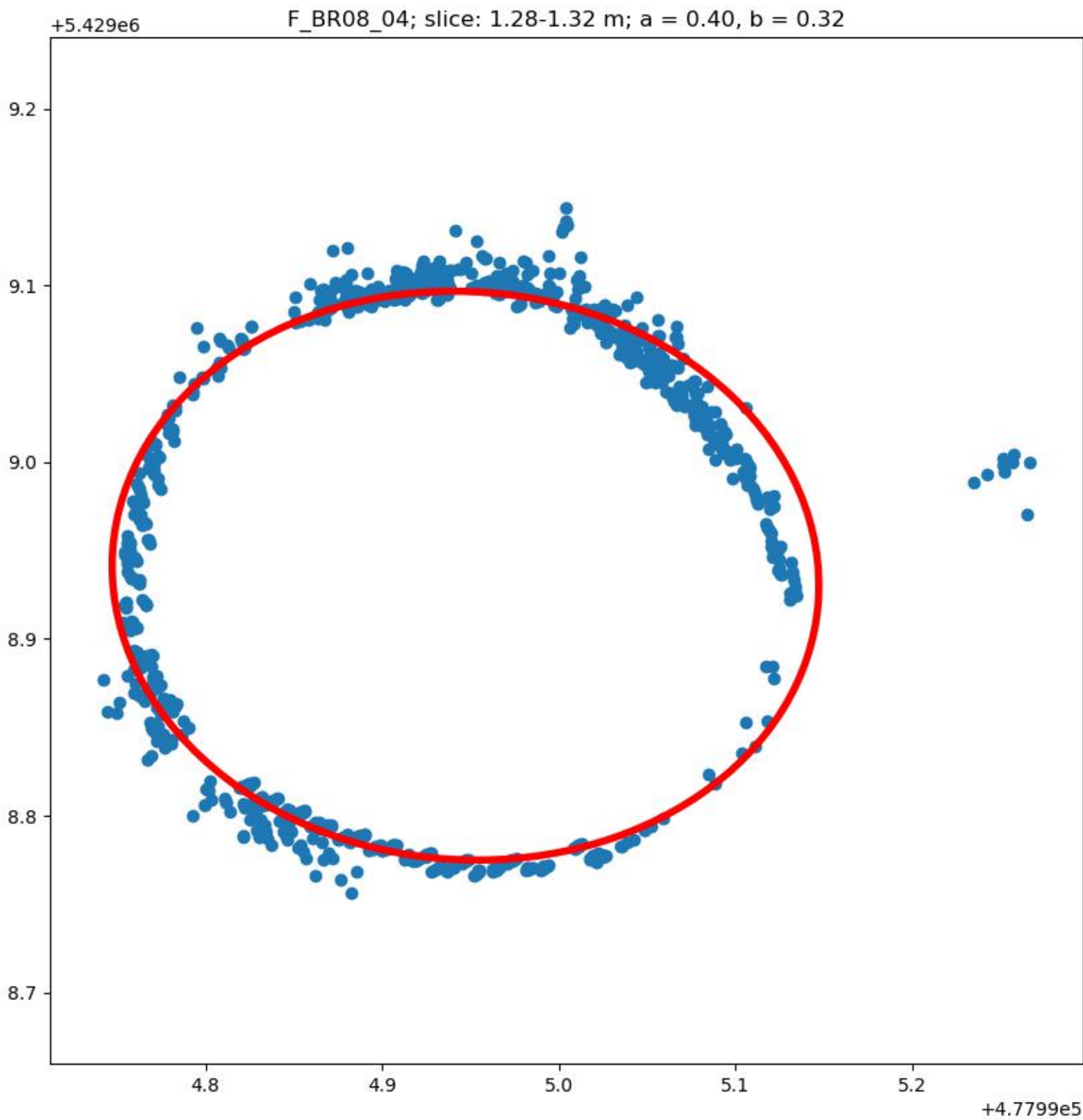
PicAbi_BR02_13



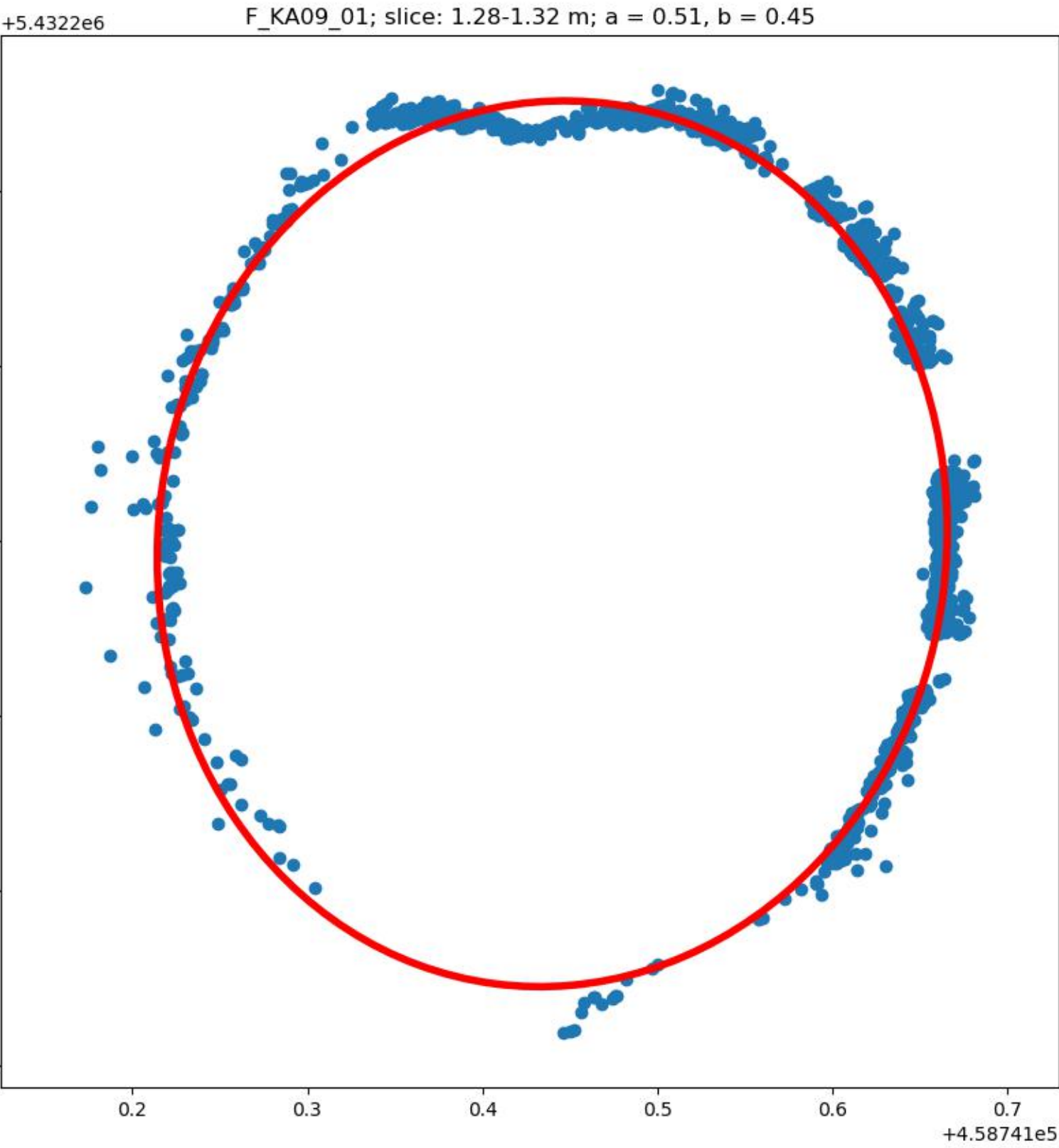
PicAbi_BR02_16



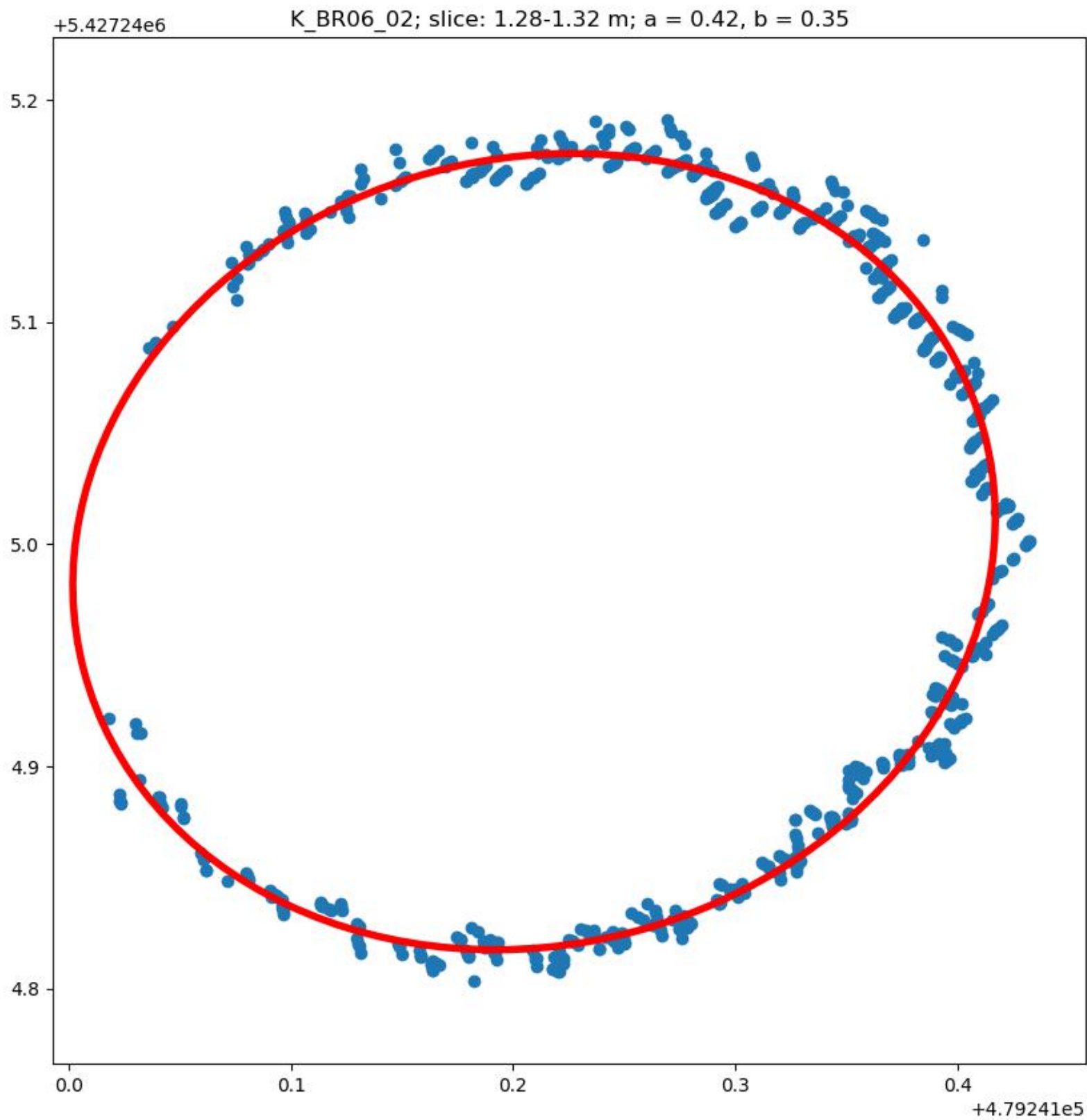
PicAbi_BR08_04



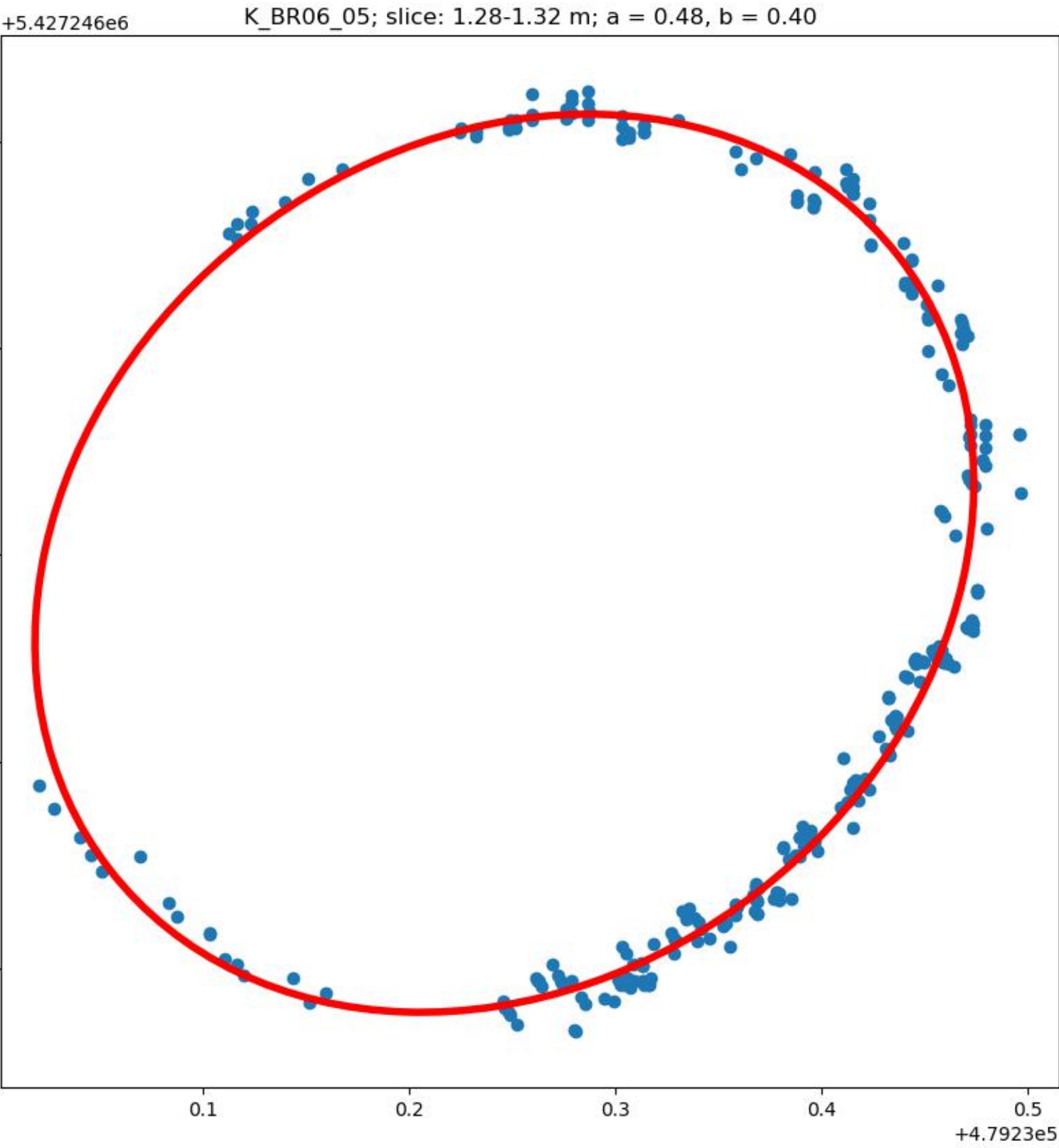
PicAbi_KA09_T035



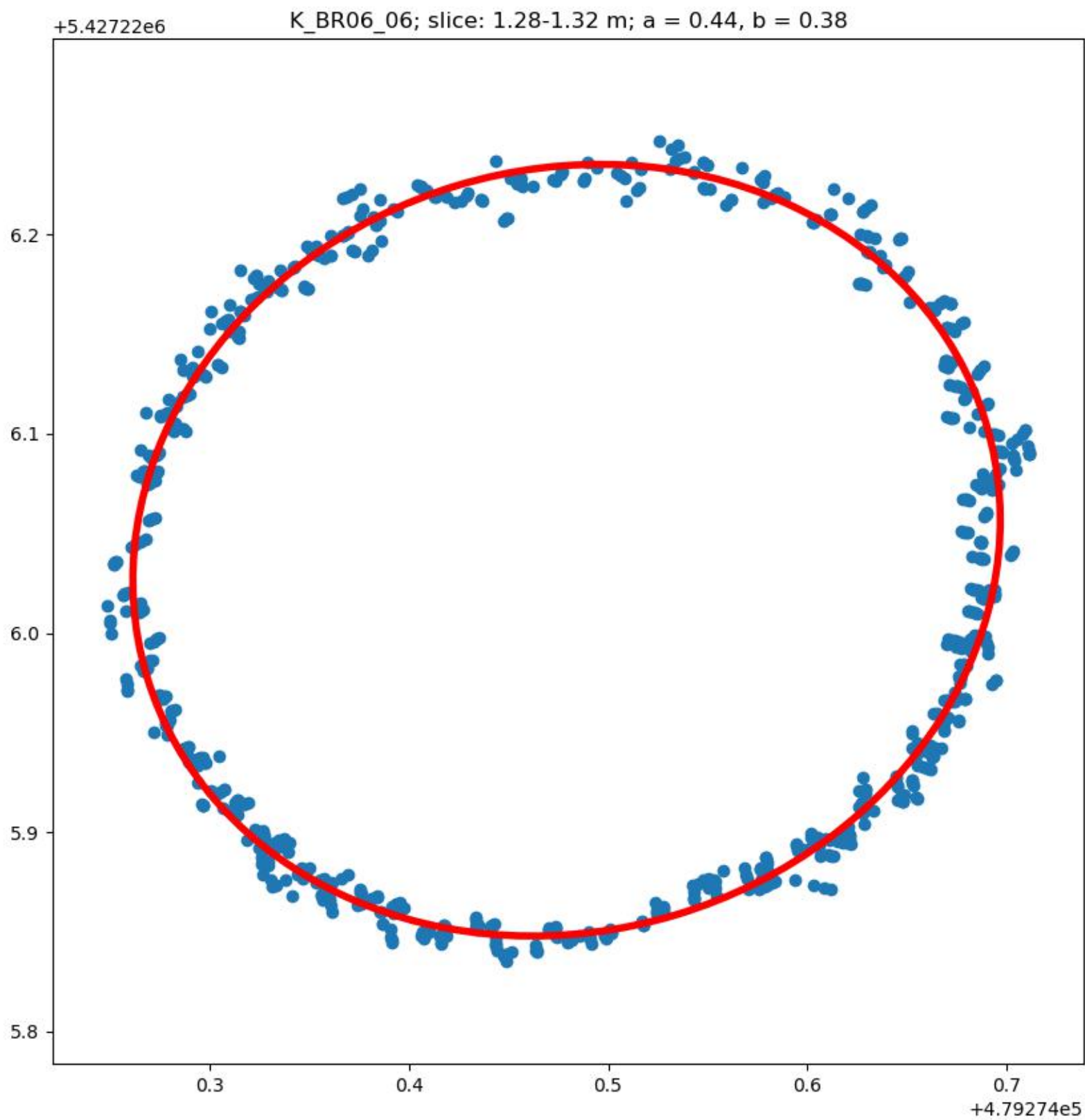
PinSyl_BR06_02



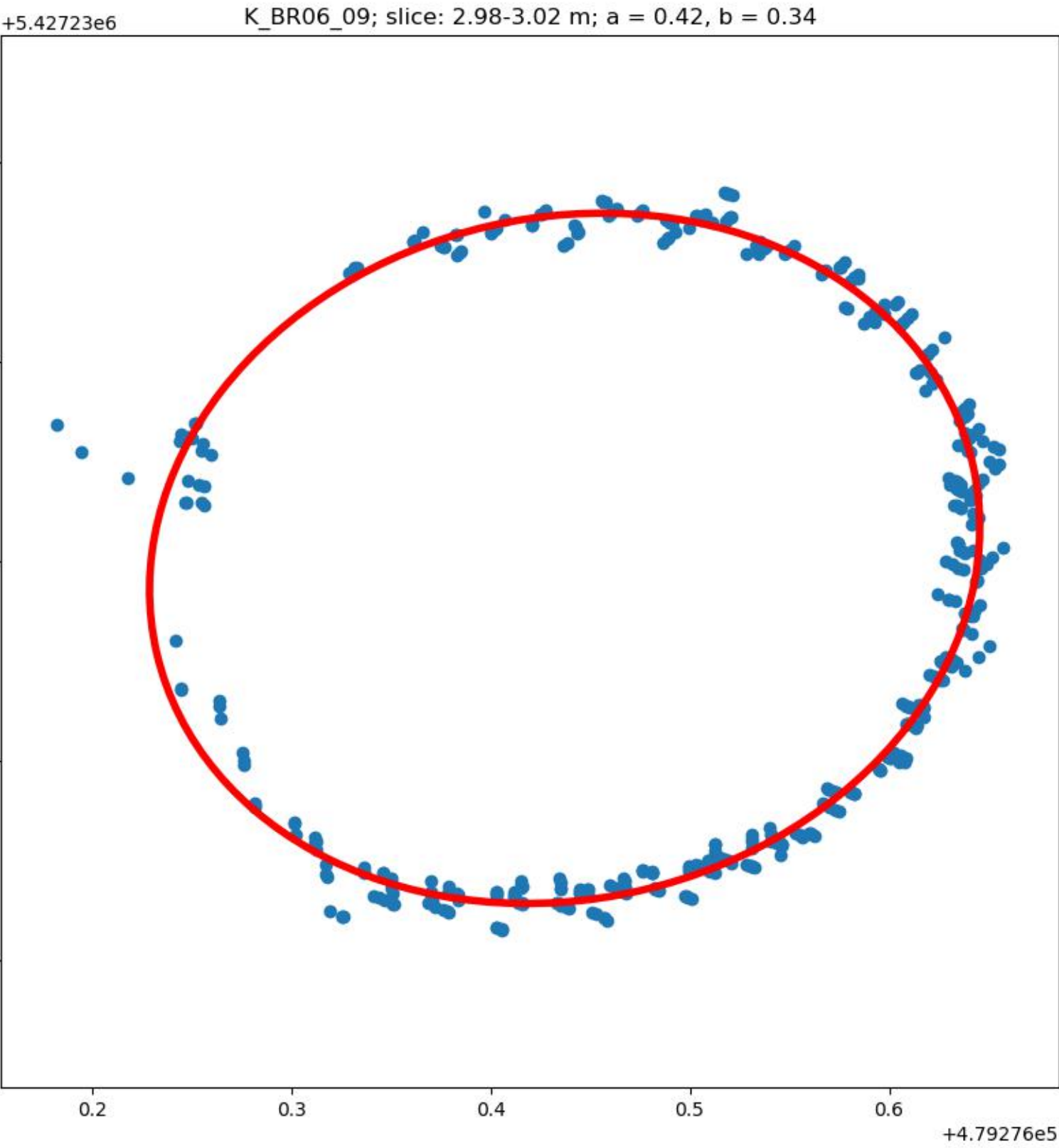
PinSyl_BR06_05



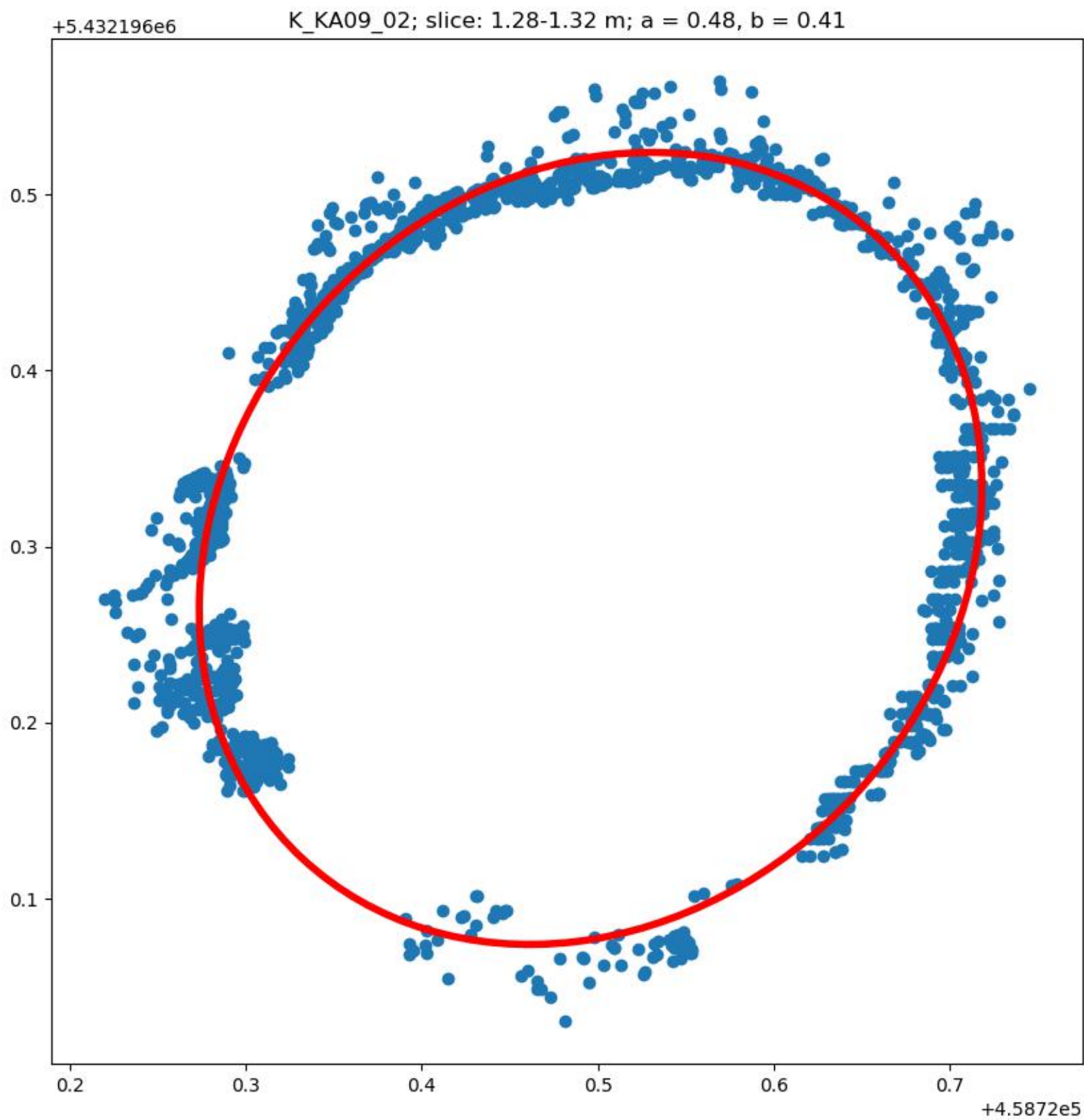
PinSyl_BR06_06



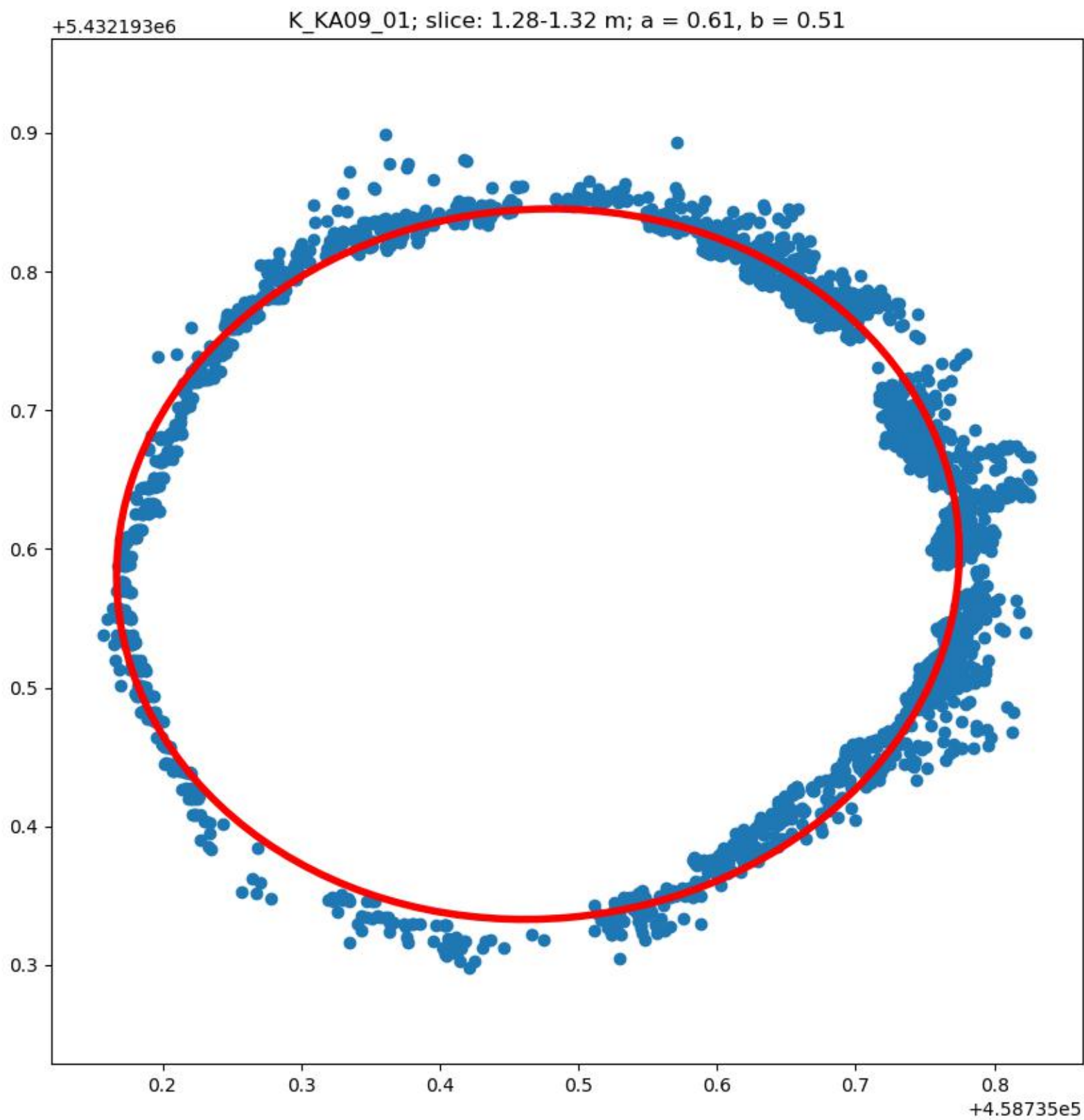
PinSyl_BR06_09



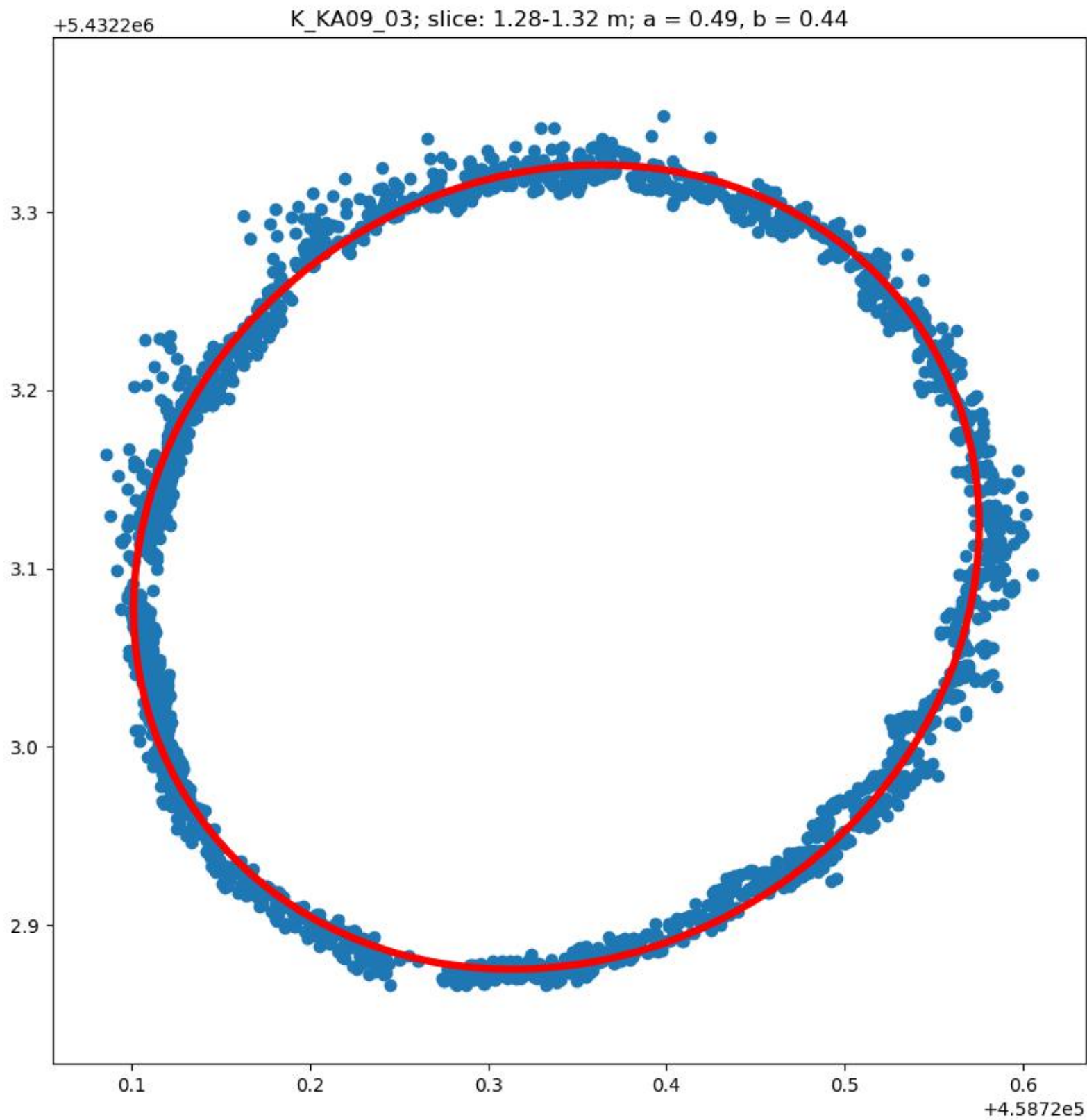
PinSyl_KA09_T038



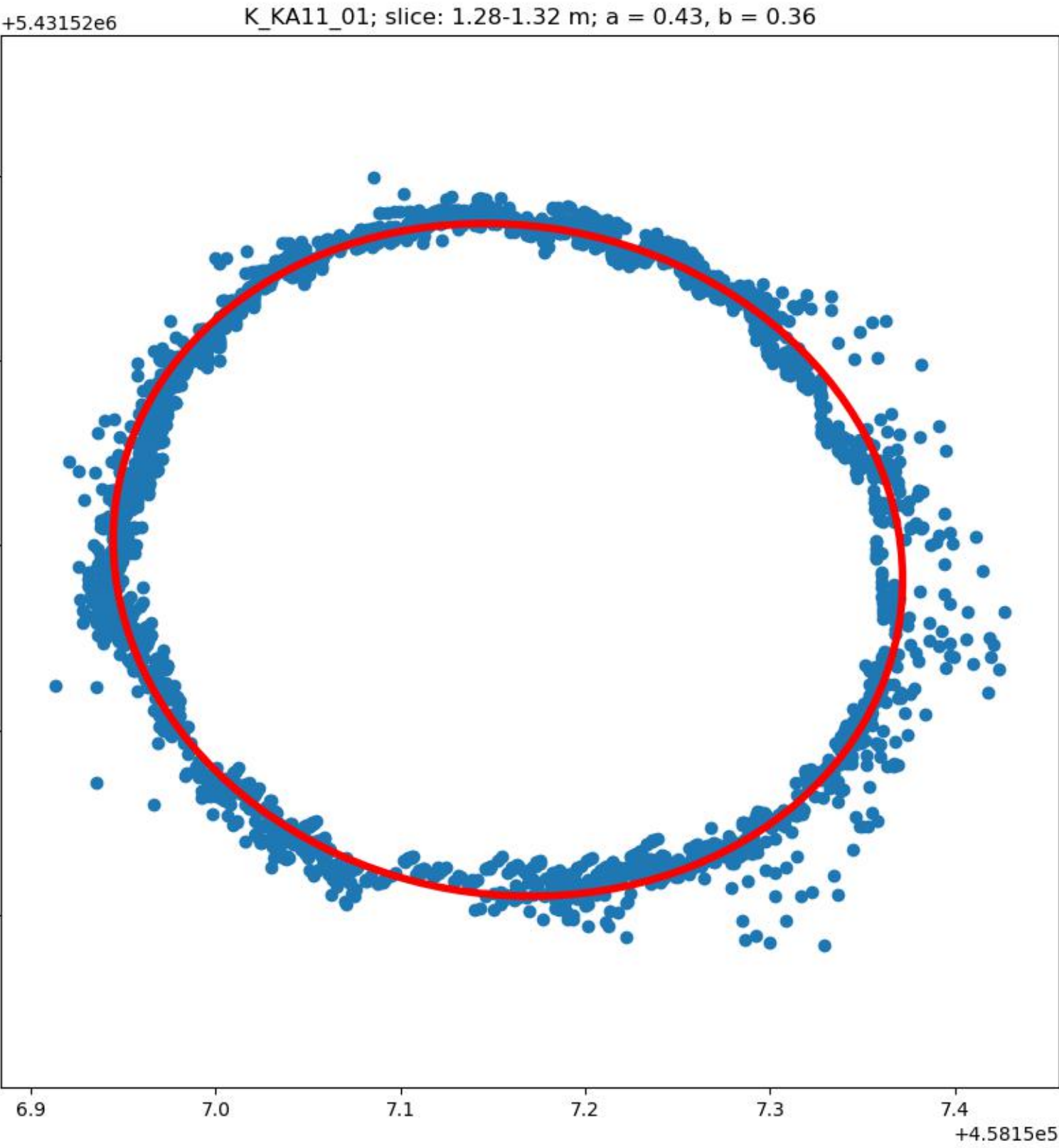
PinSyl_KA09_T047



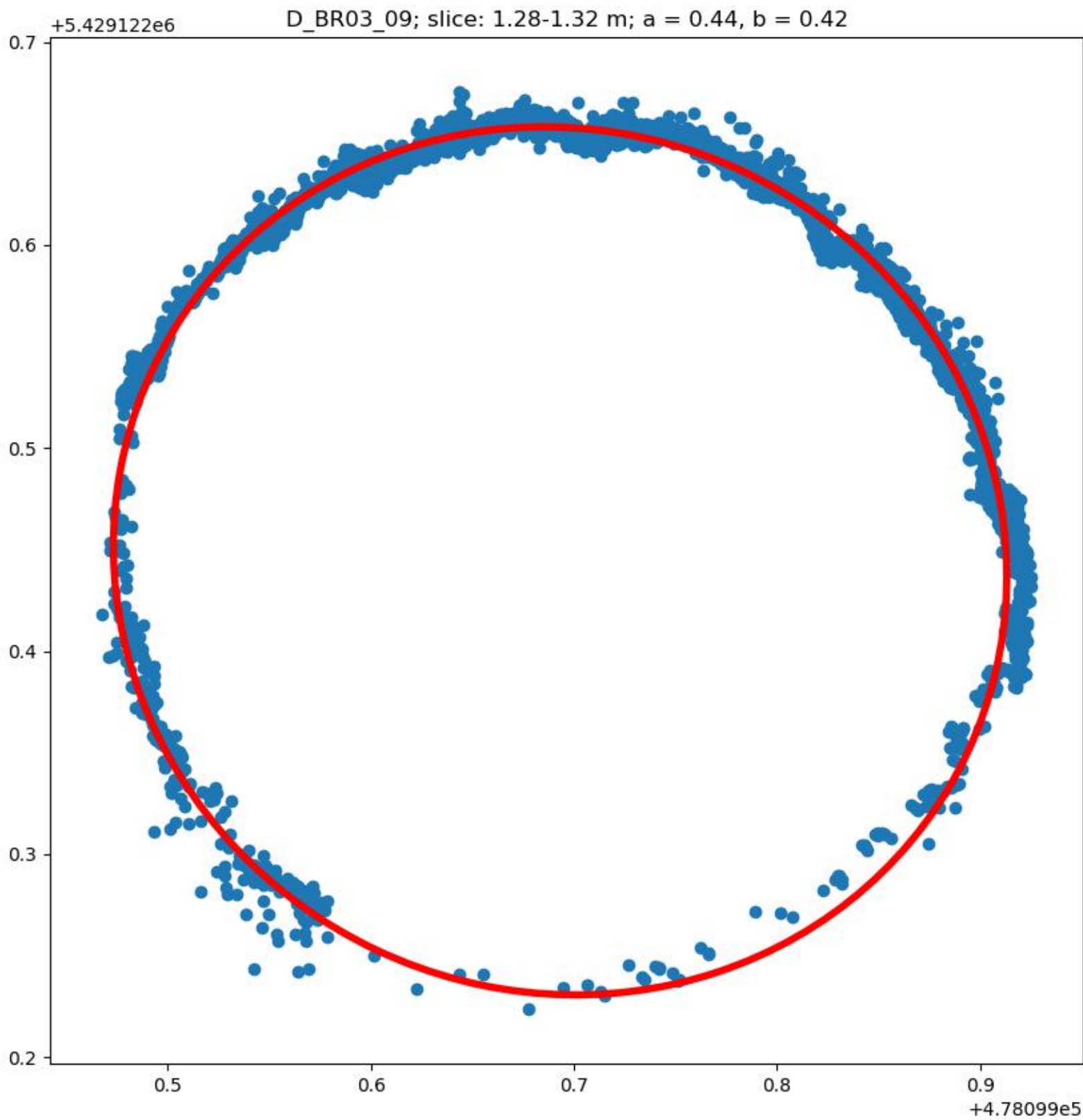
PinSyl_KA09_T048



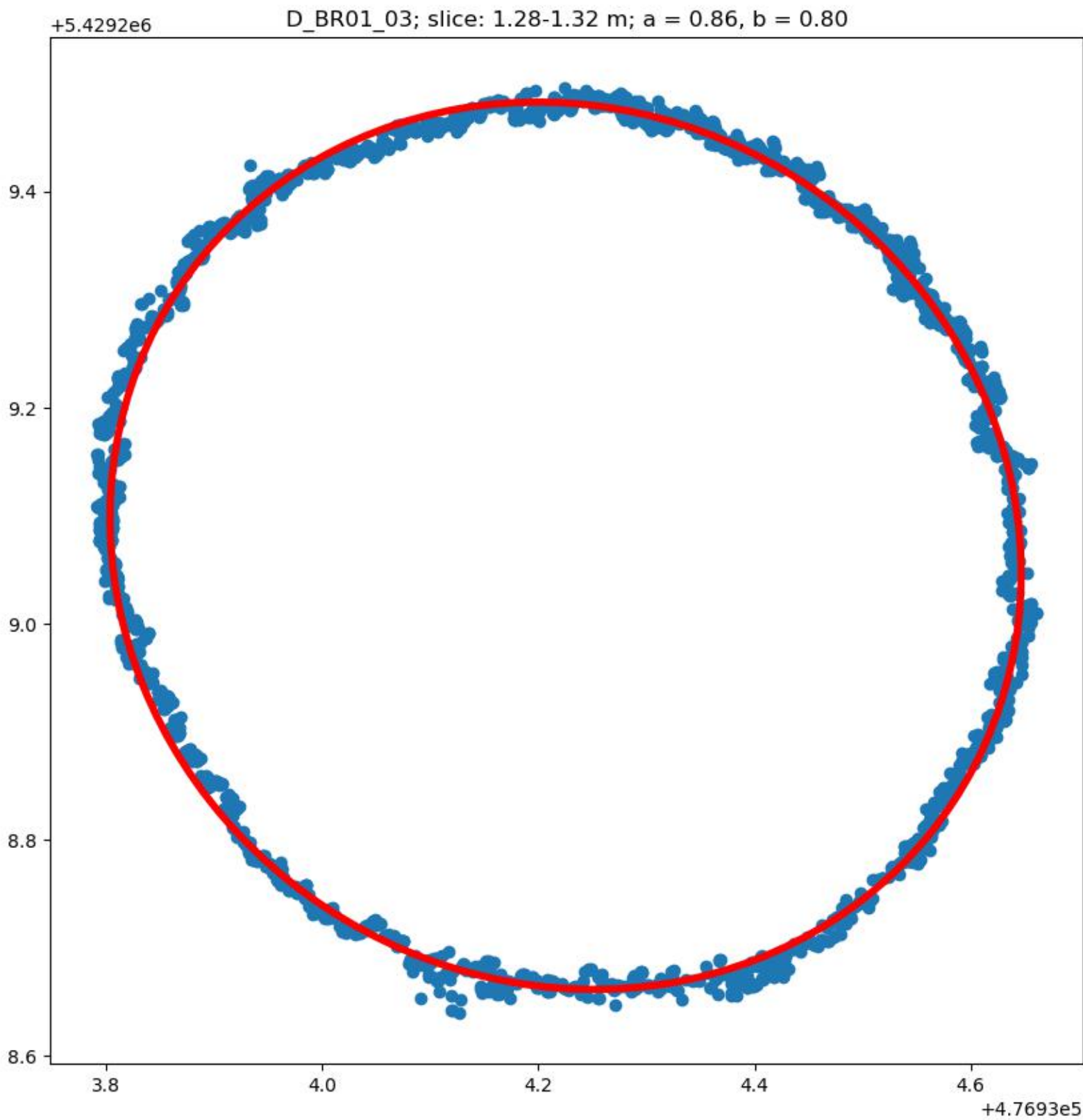
PinSyl_KA11_P17Tree65



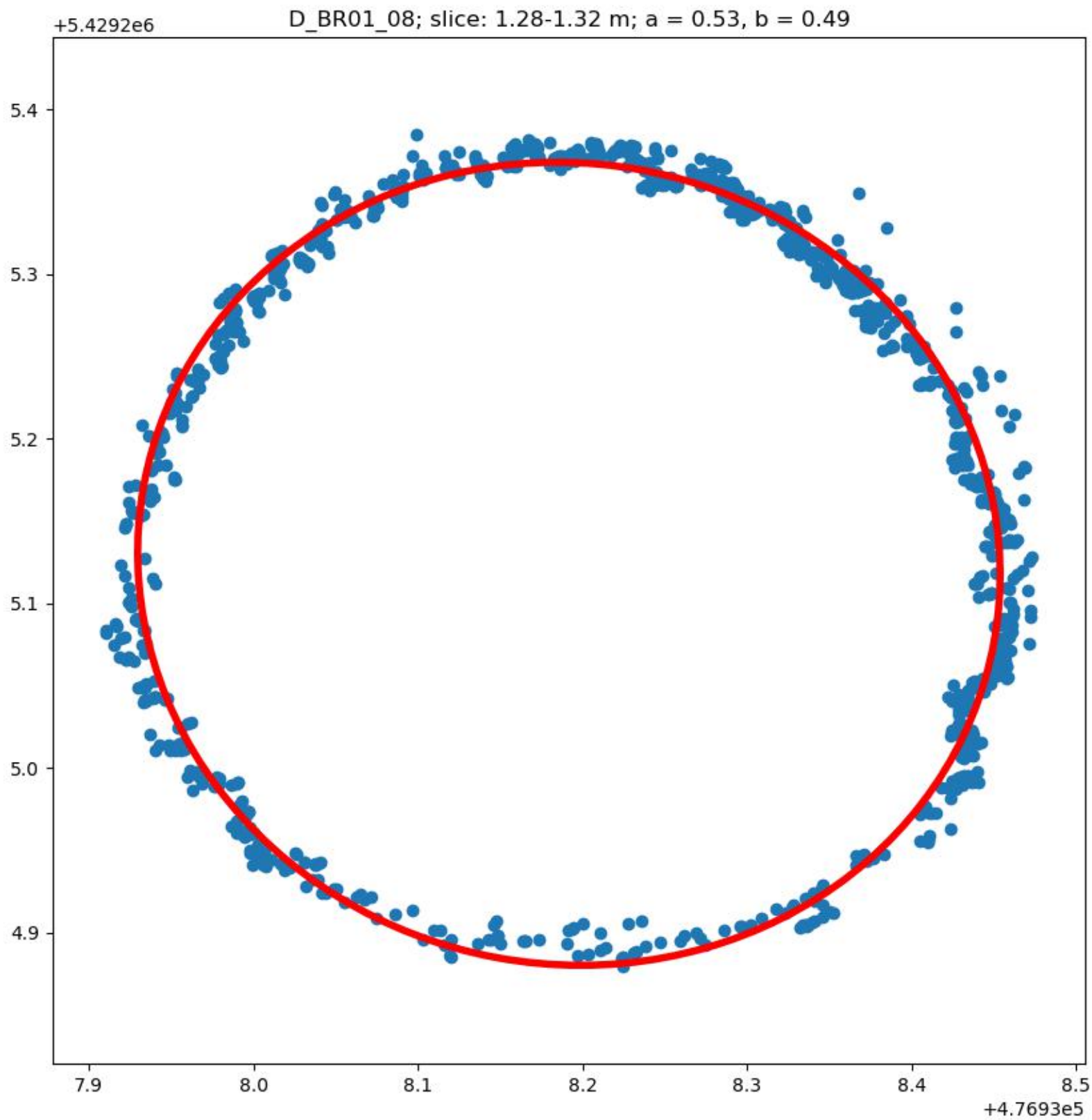
PseMen_BR03_09



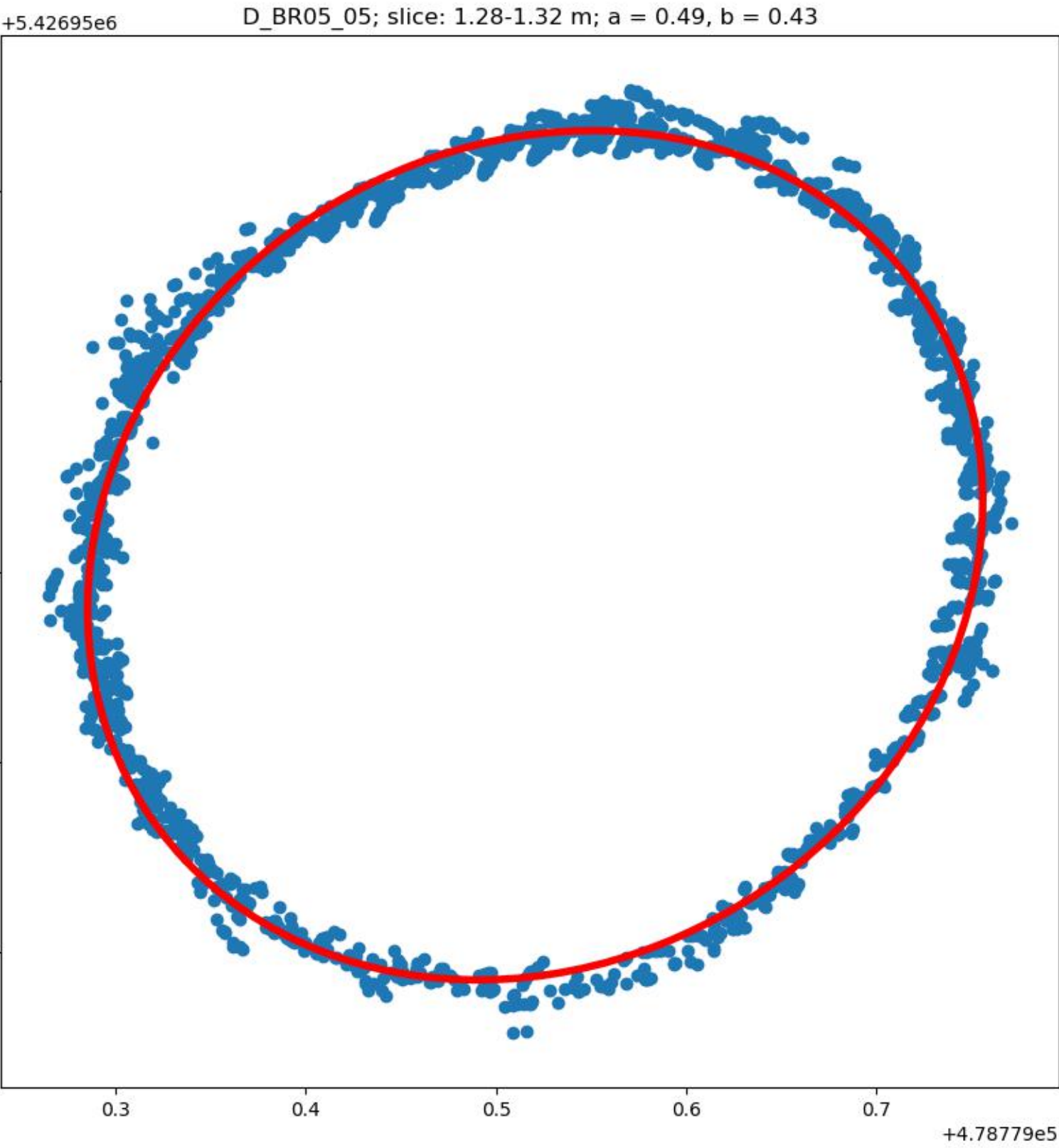
PseMen_BR04_03



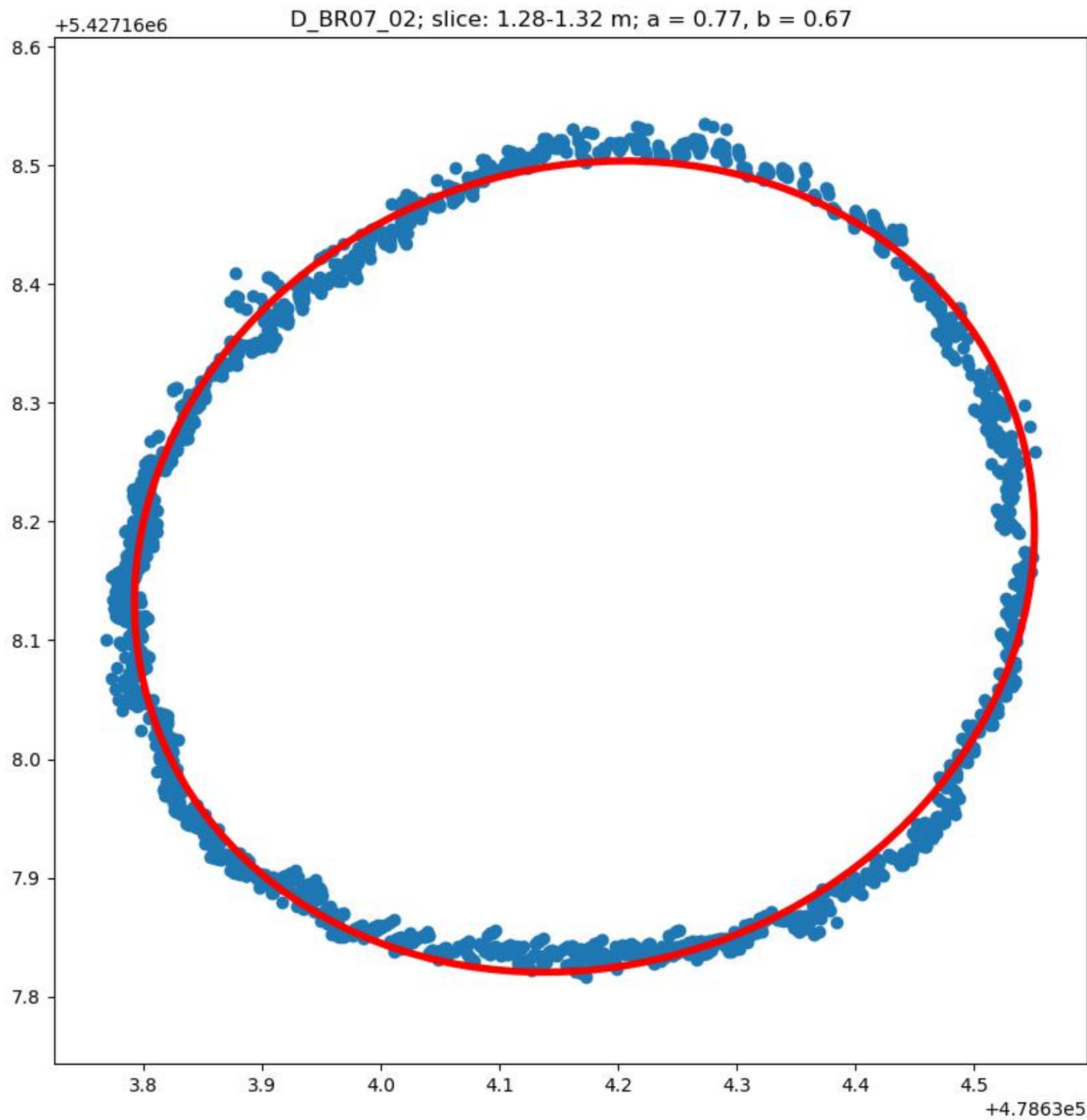
PseMen_BR04_08



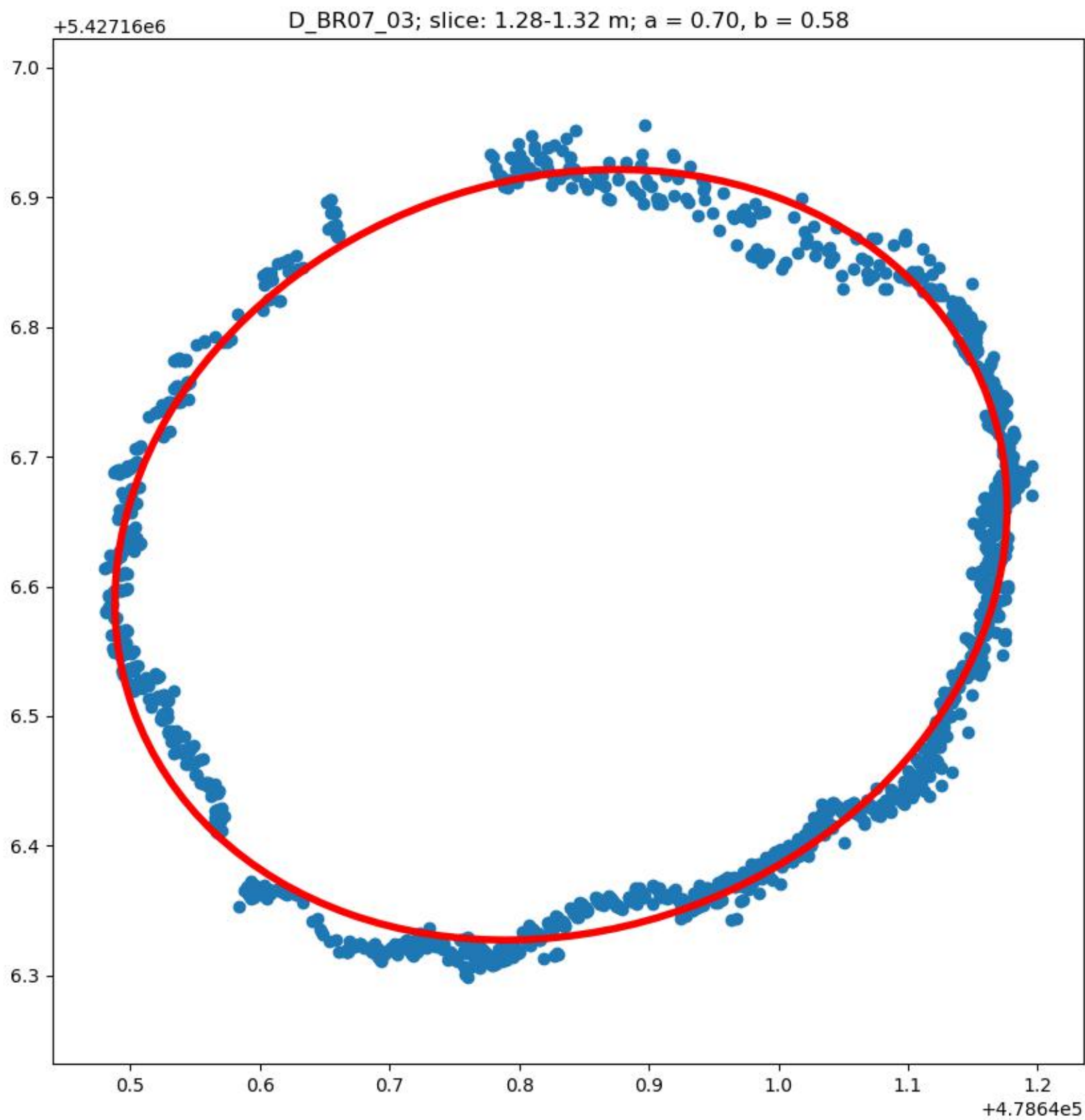
PseMen_BR05_05



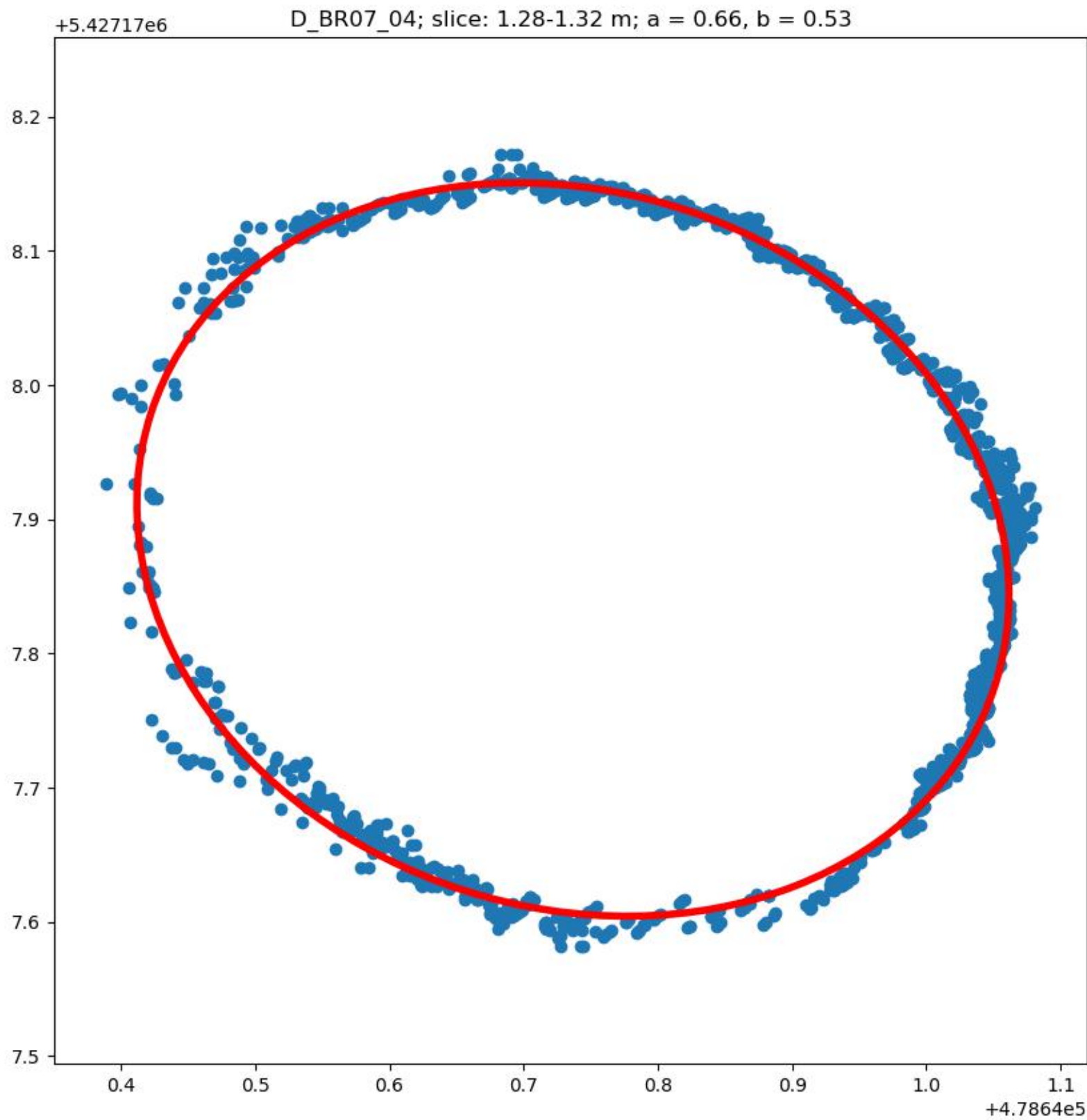
PseMen_BR07_02



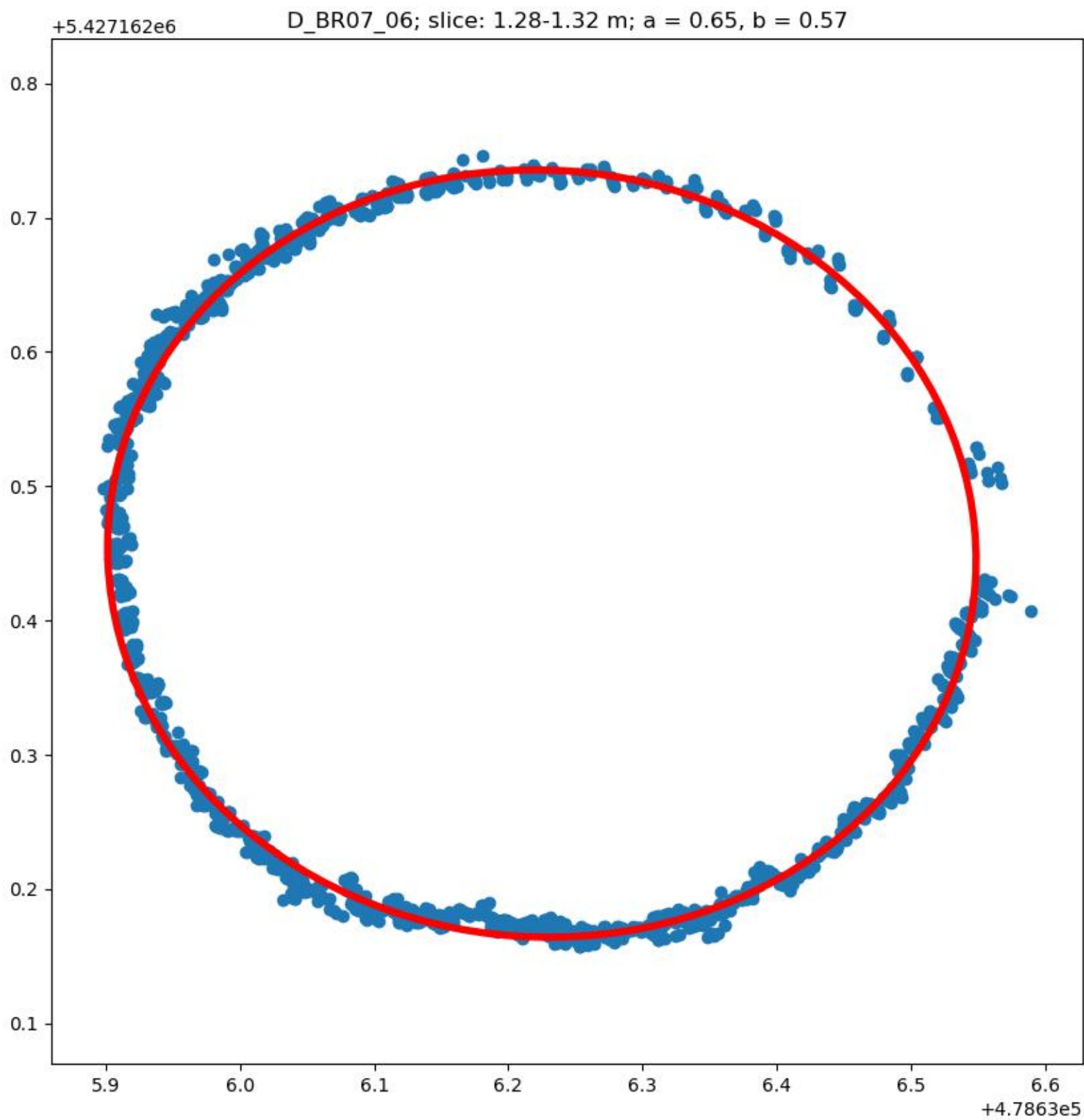
PseMen_BR07_03



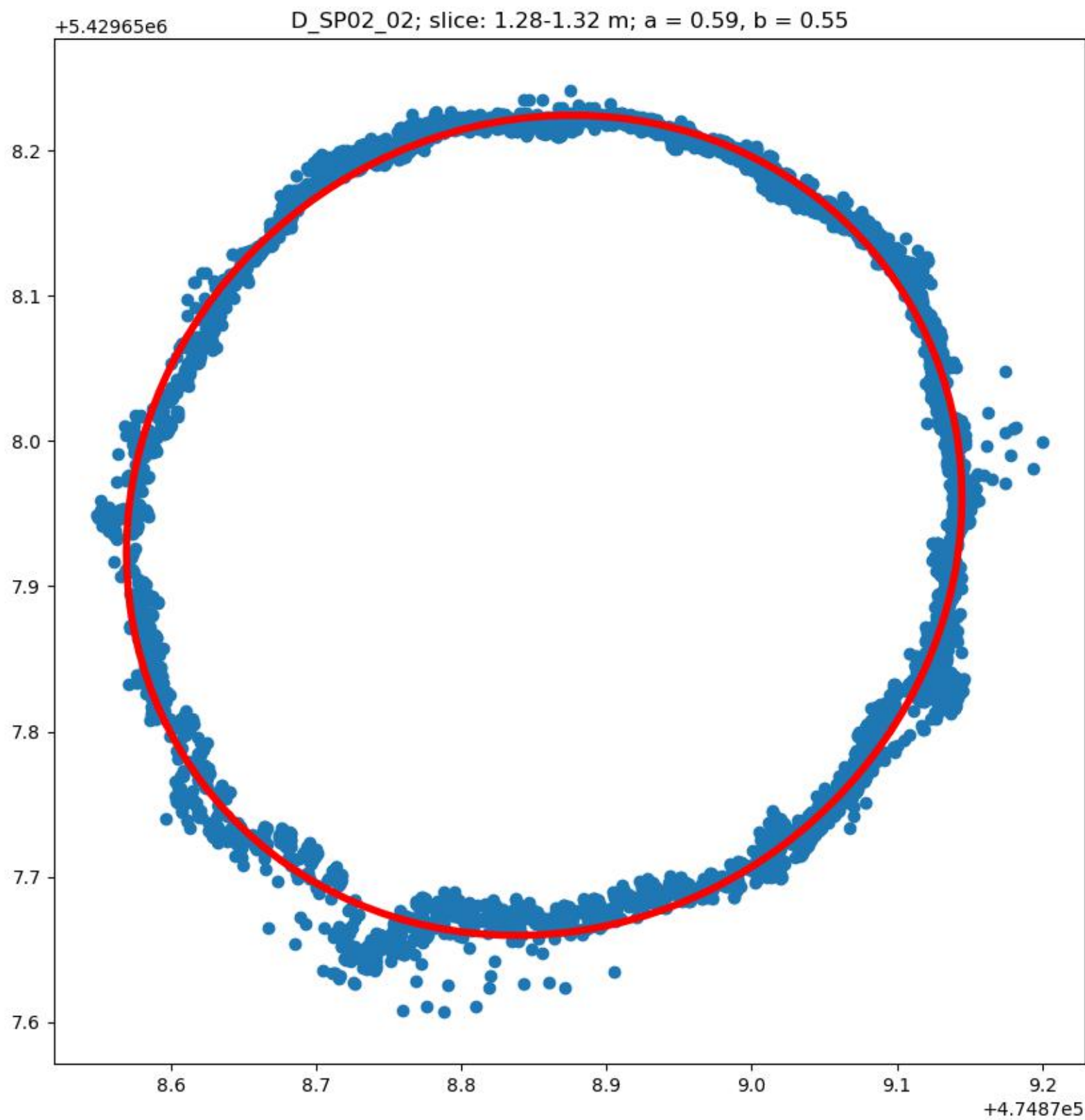
PseMen_BR07_04



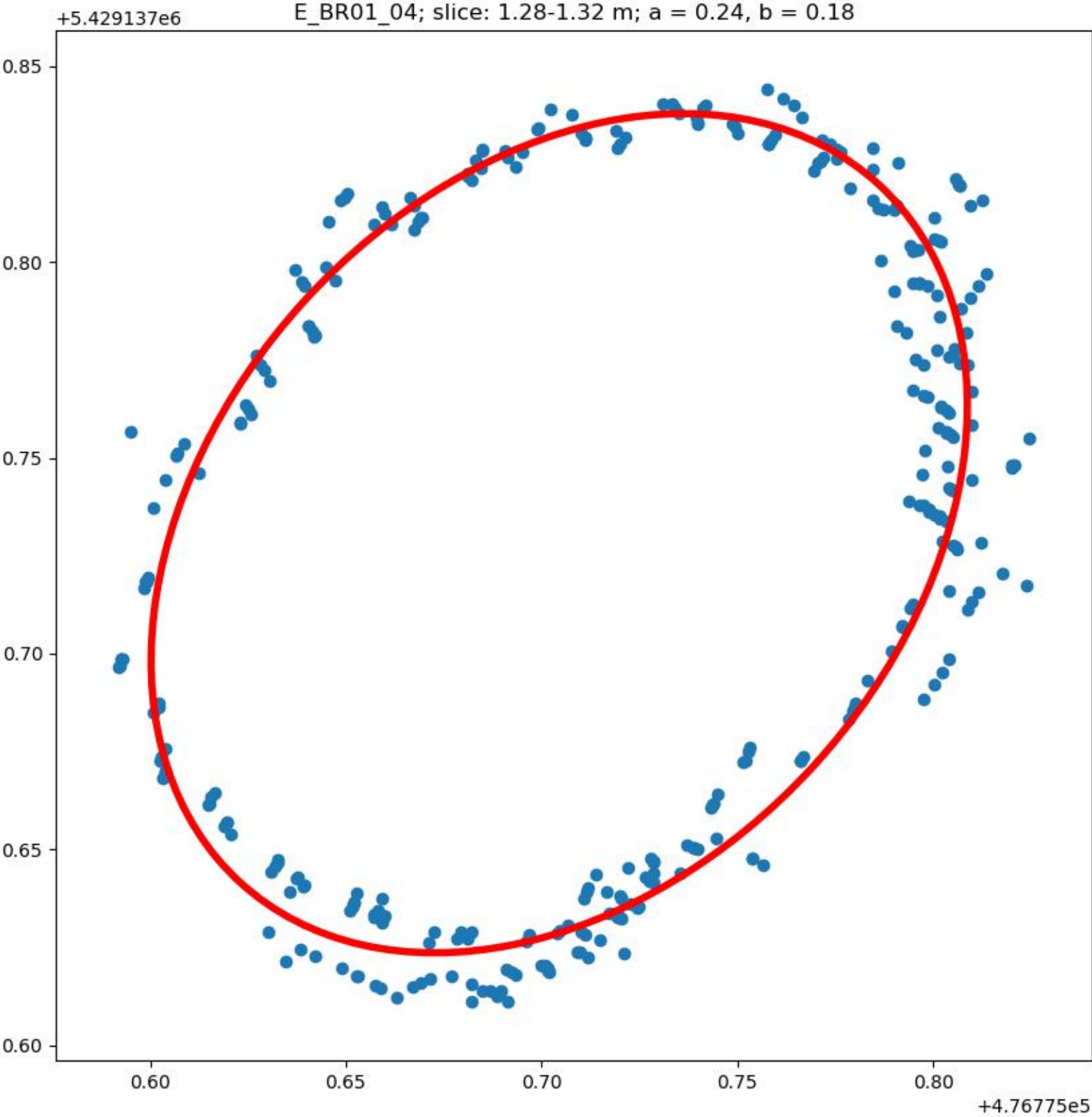
PseMen_BR07_06



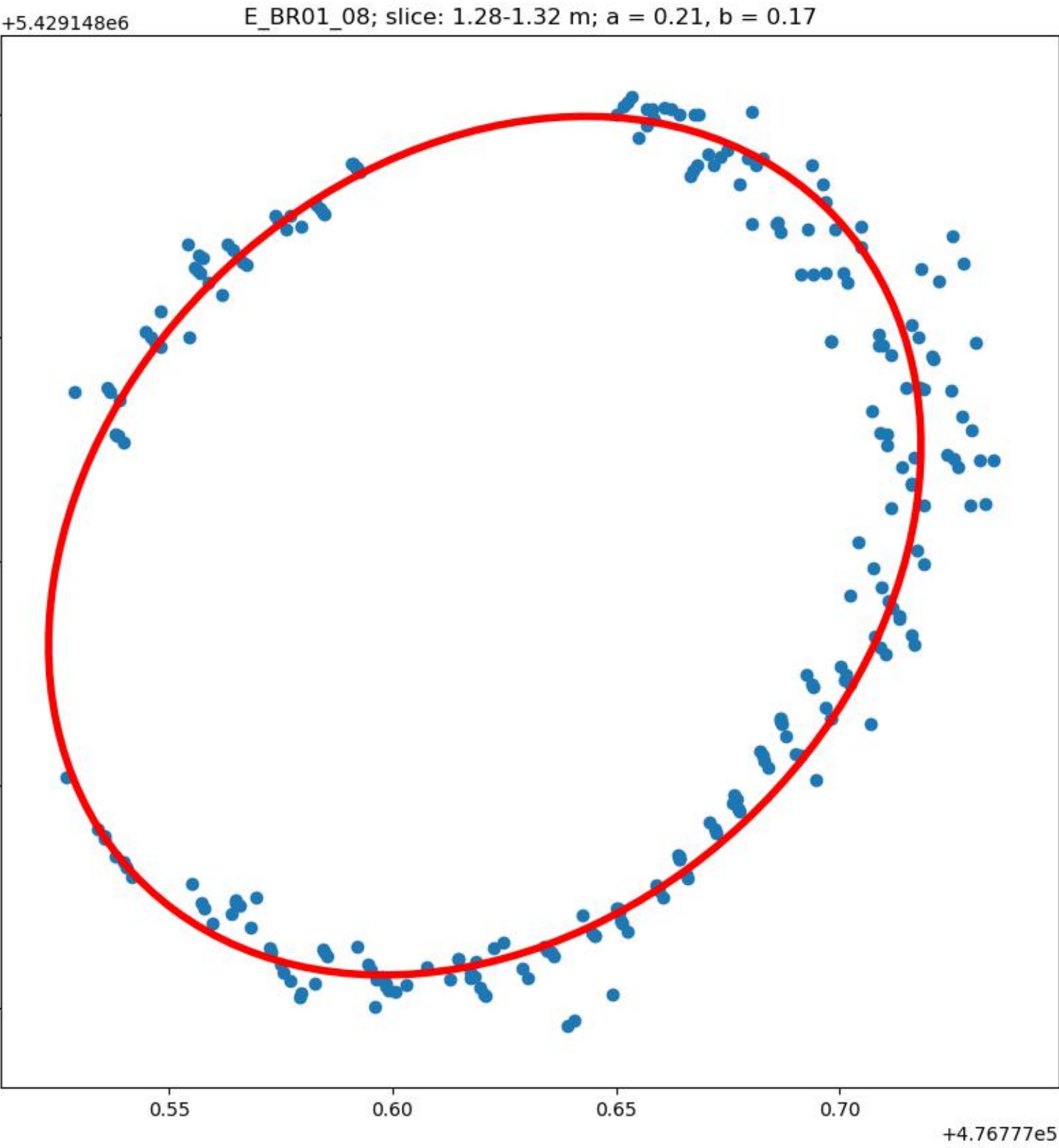
PseMen_SP02_02



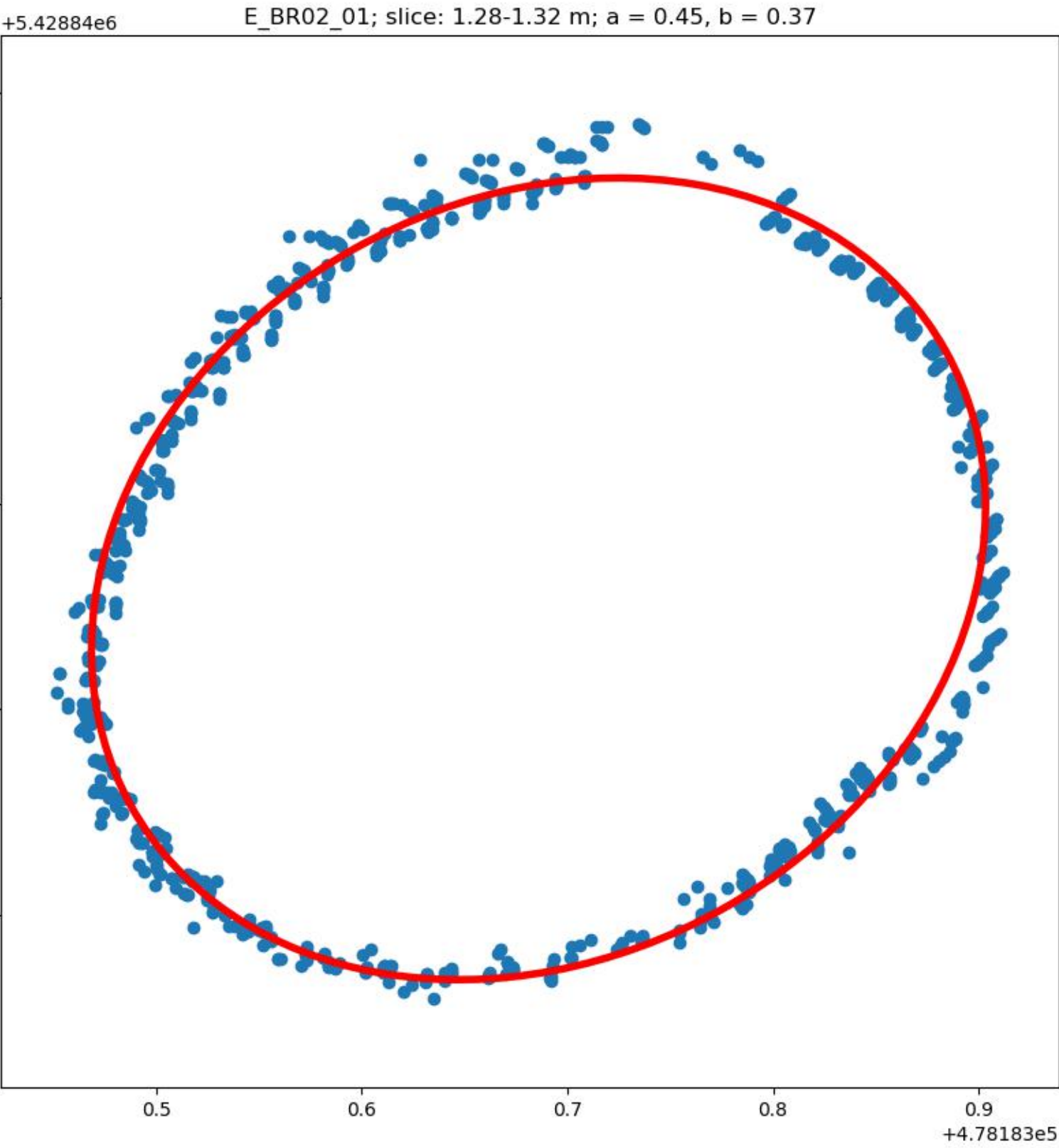
QuePet_BR01_04



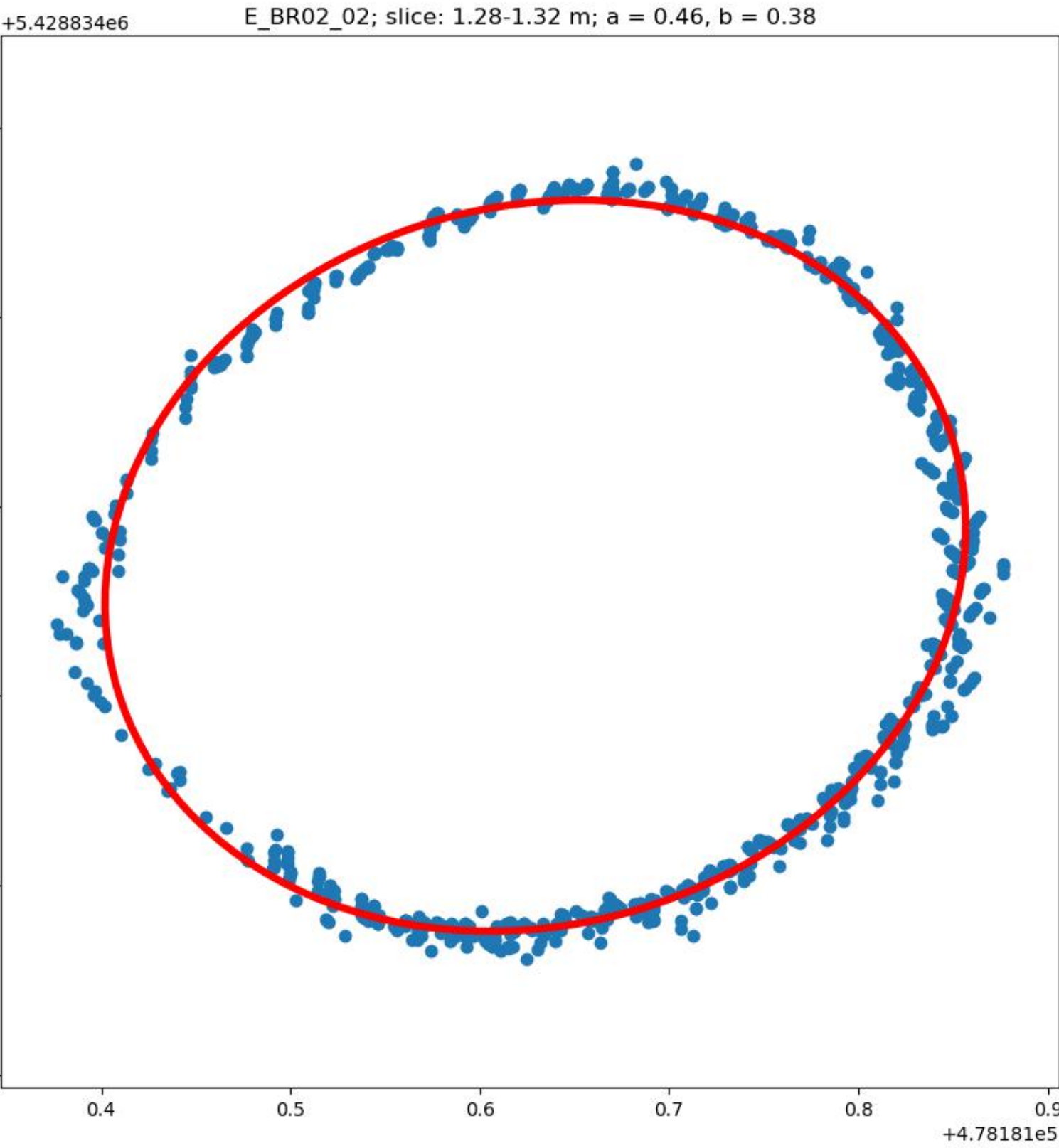
QuePet_BR01_08



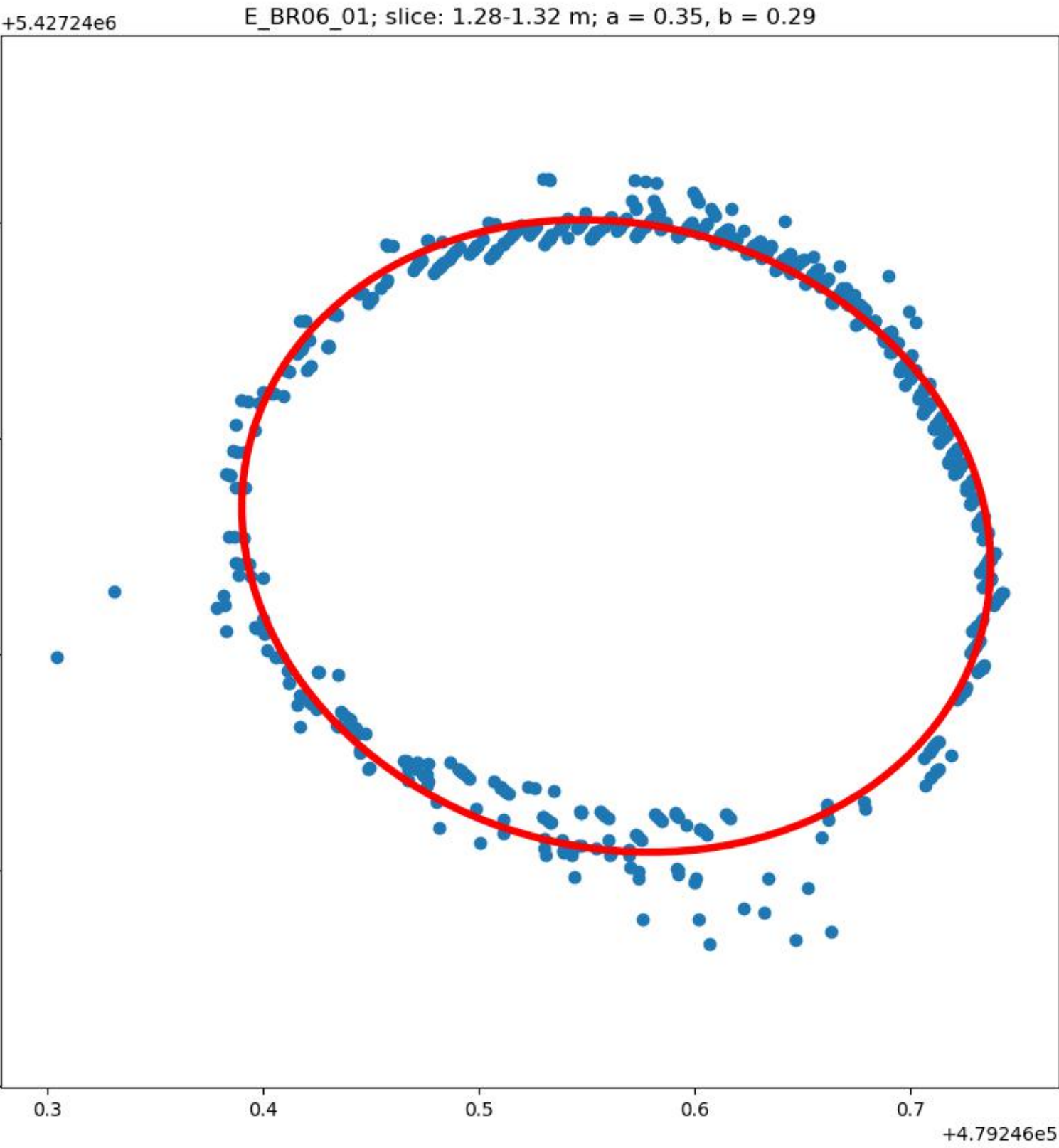
QuePet_BR02_01



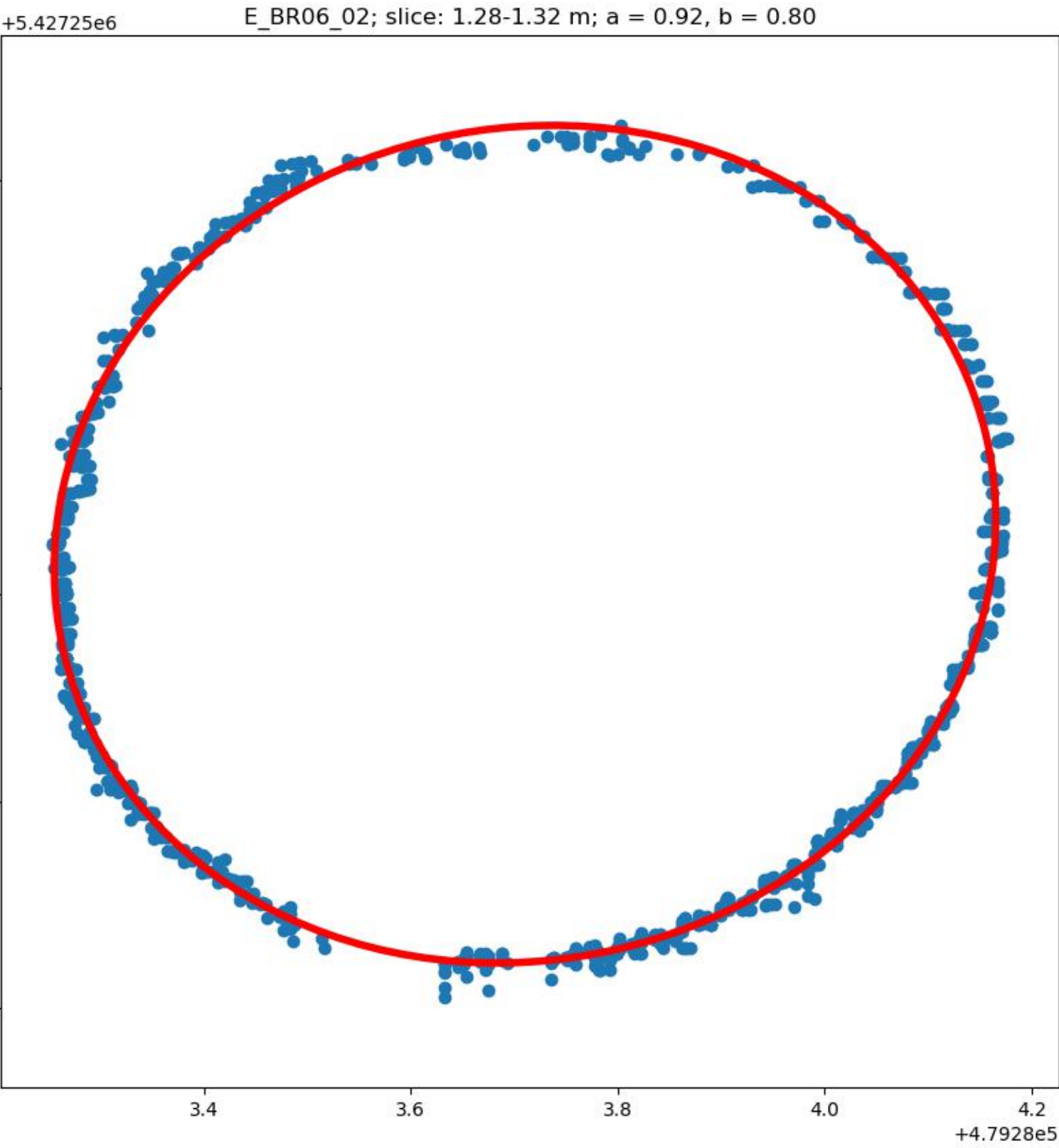
QuePet_BR02_02



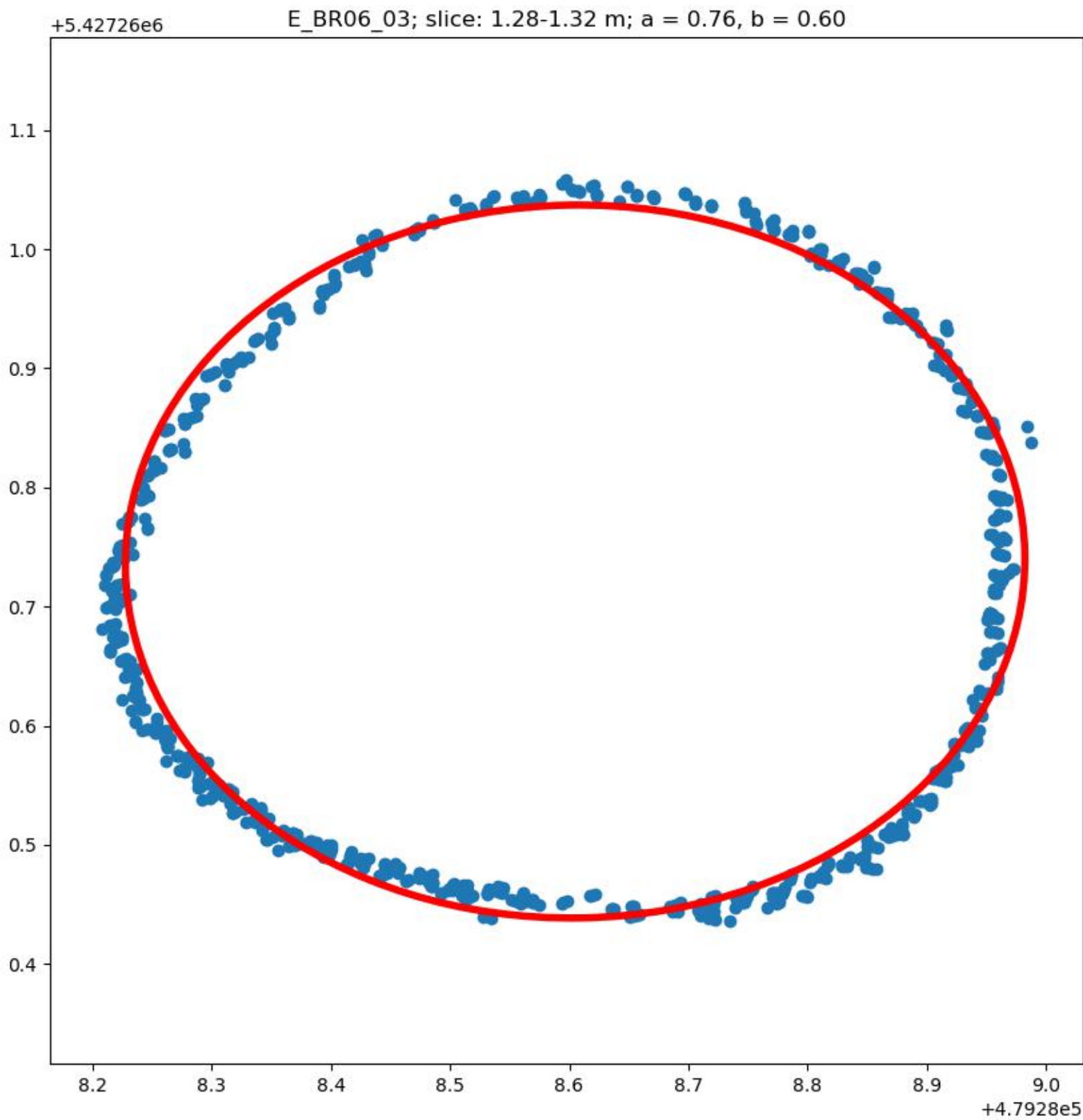
QuePet_BR06_01



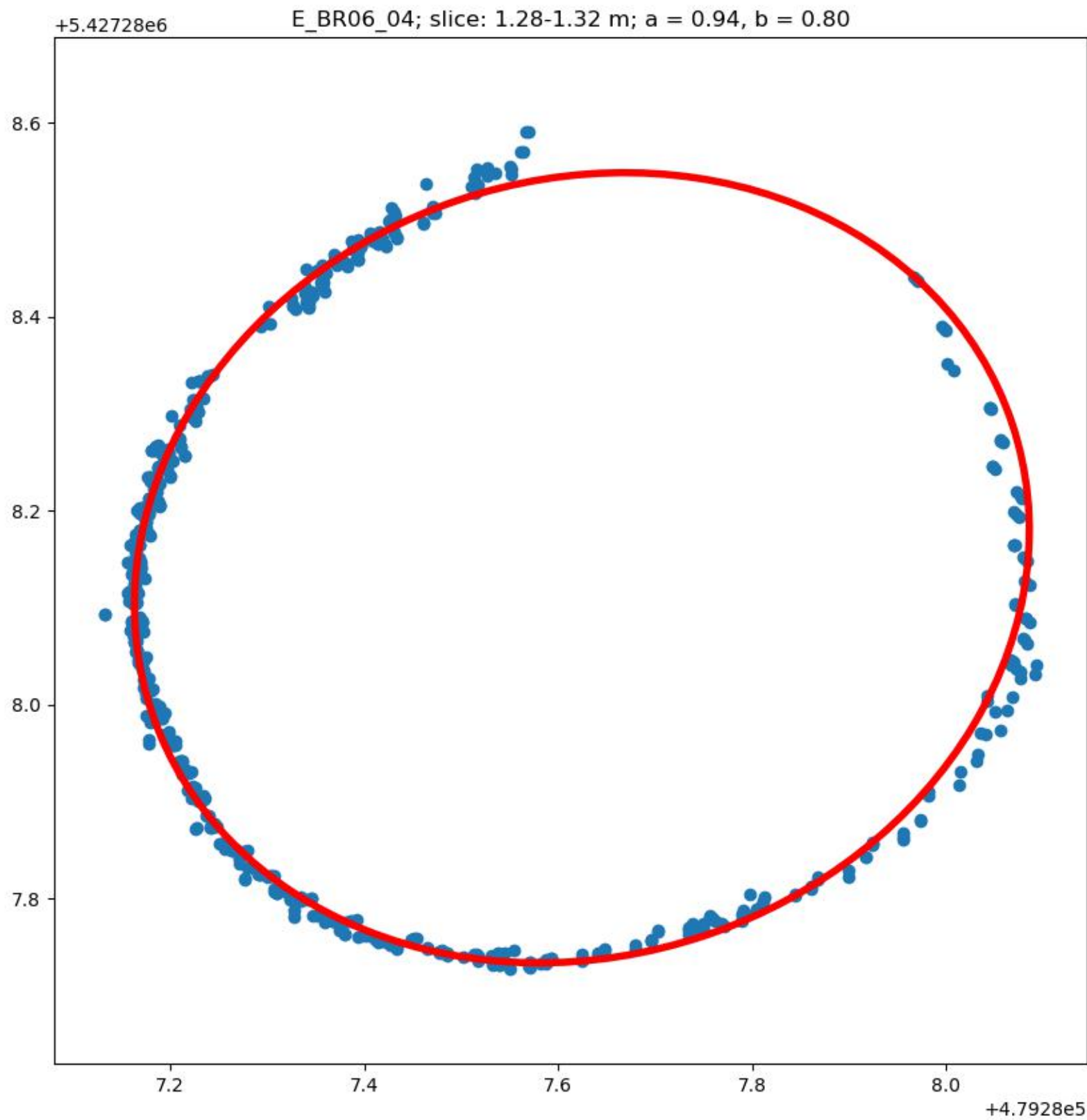
QuePet_BR06_02



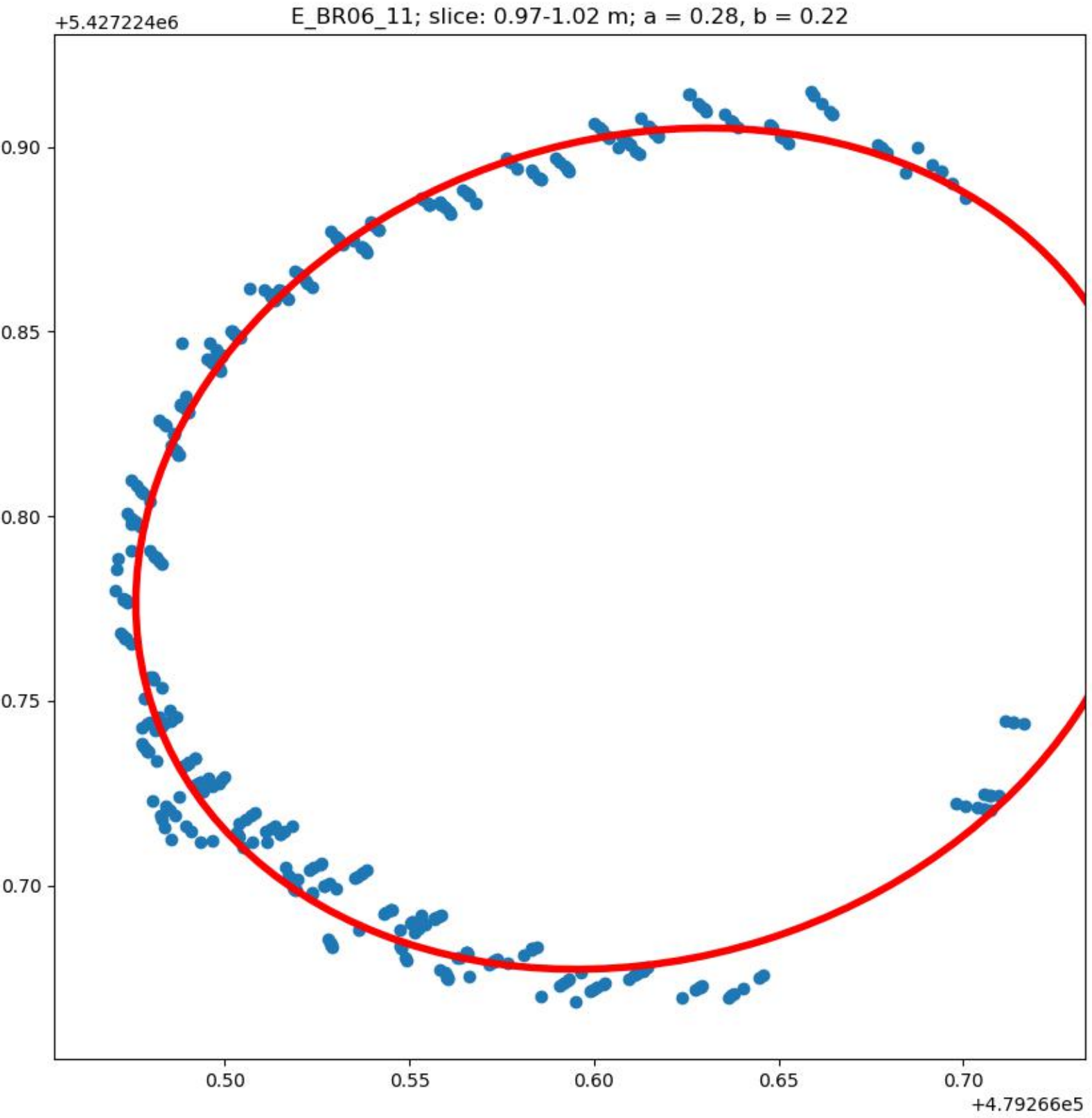
QuePet_BR06_03



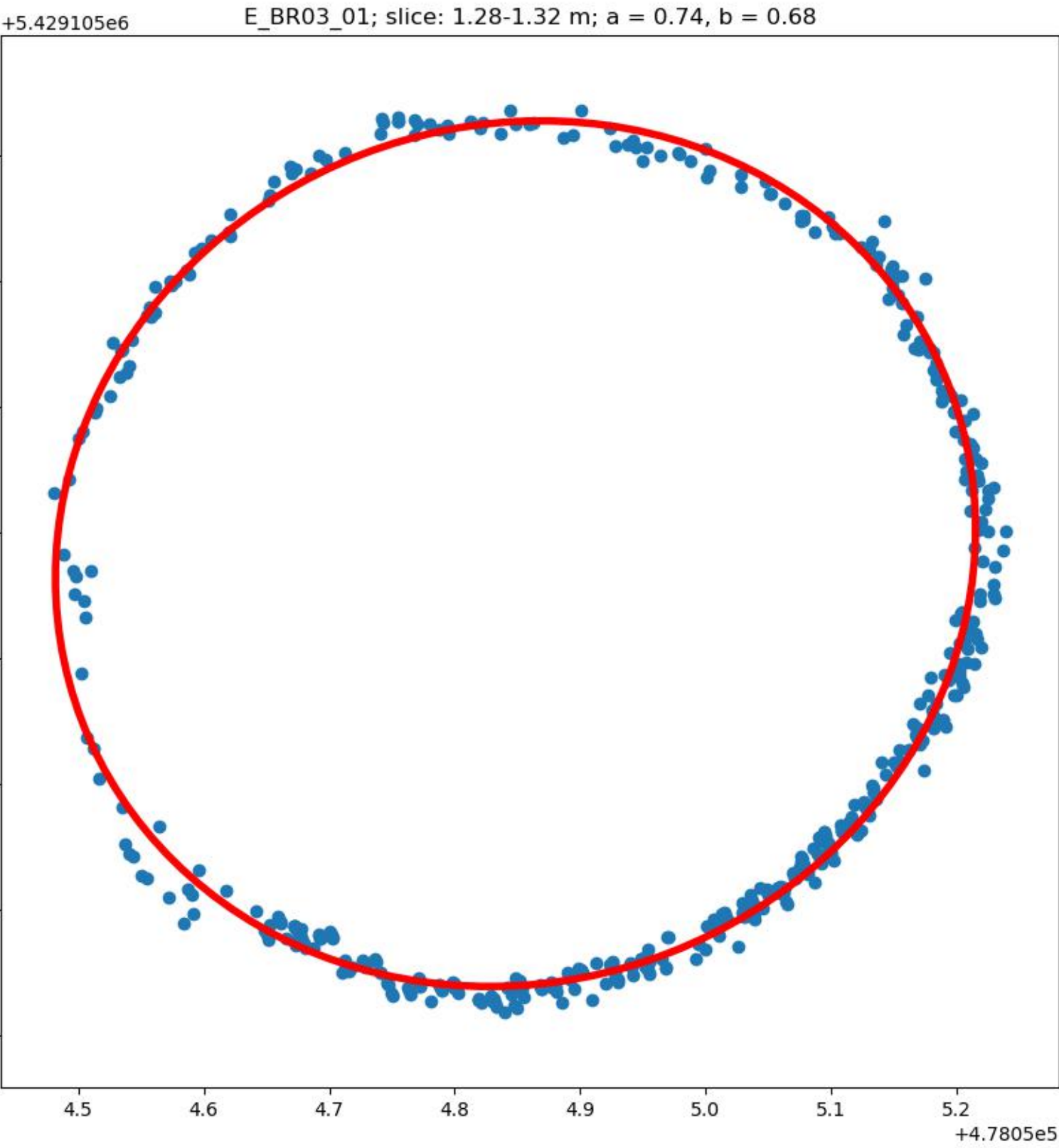
QuePet_BR06_04



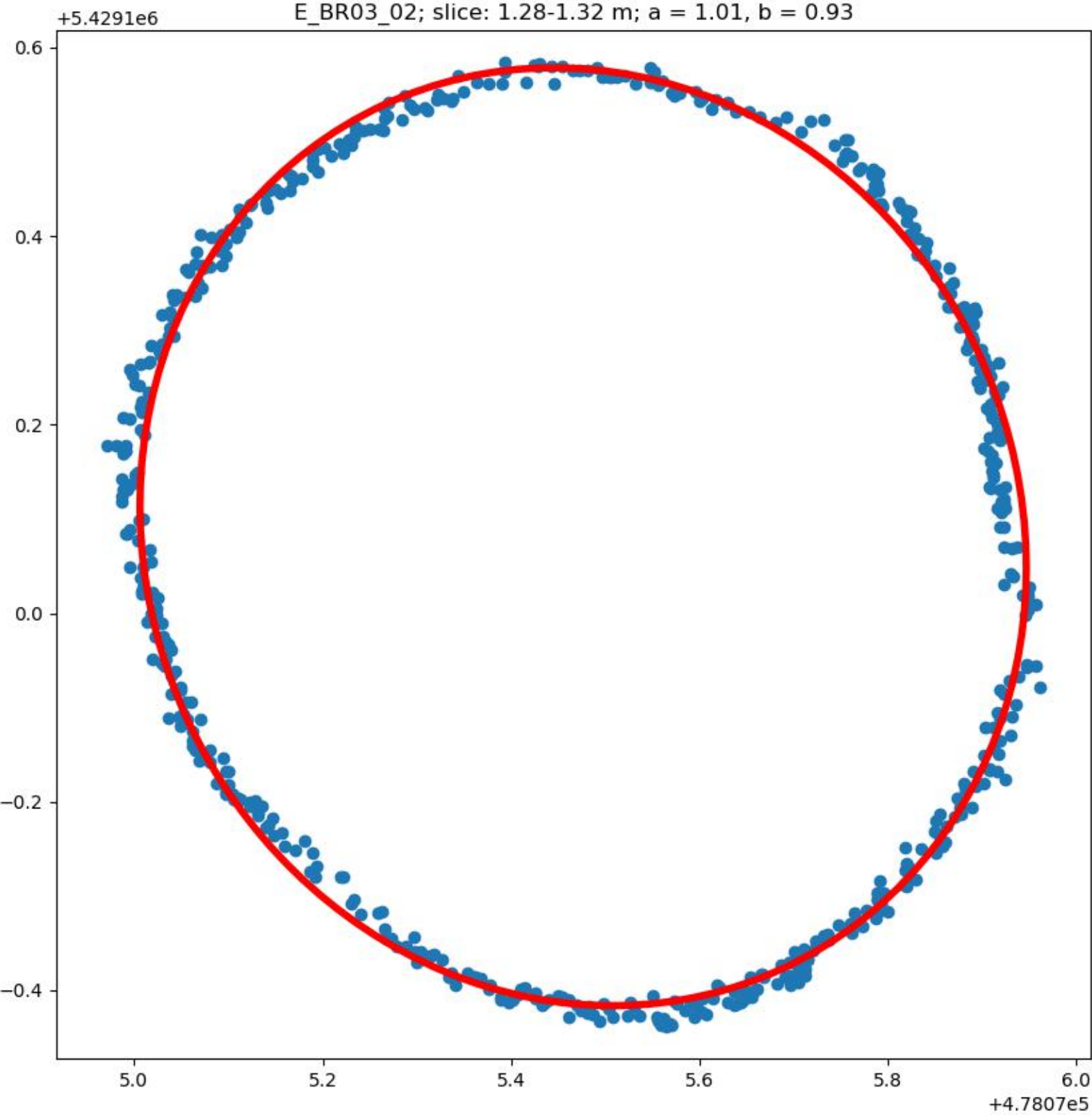
QuePet_BR06_11



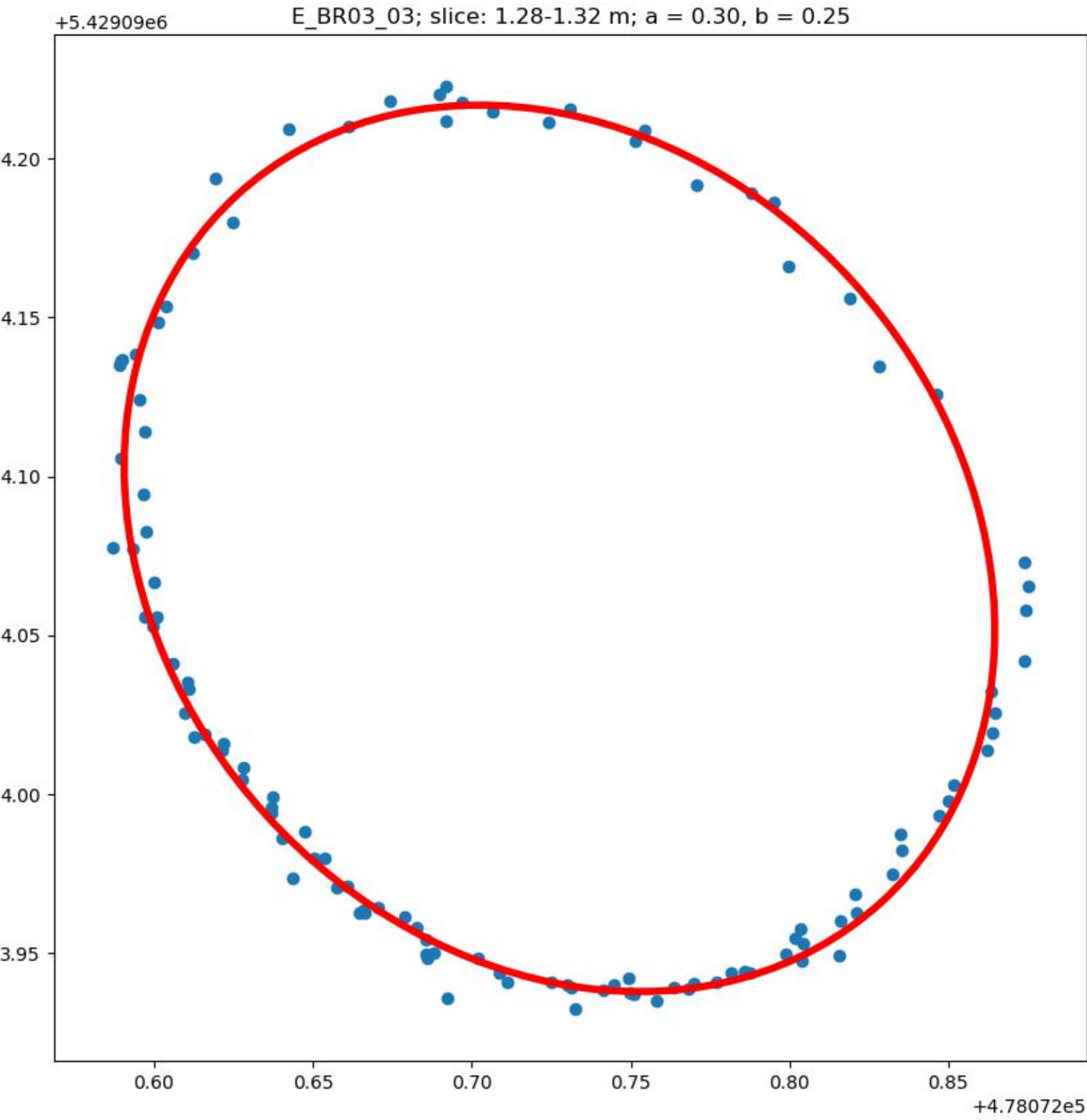
QueRob_BR03_01



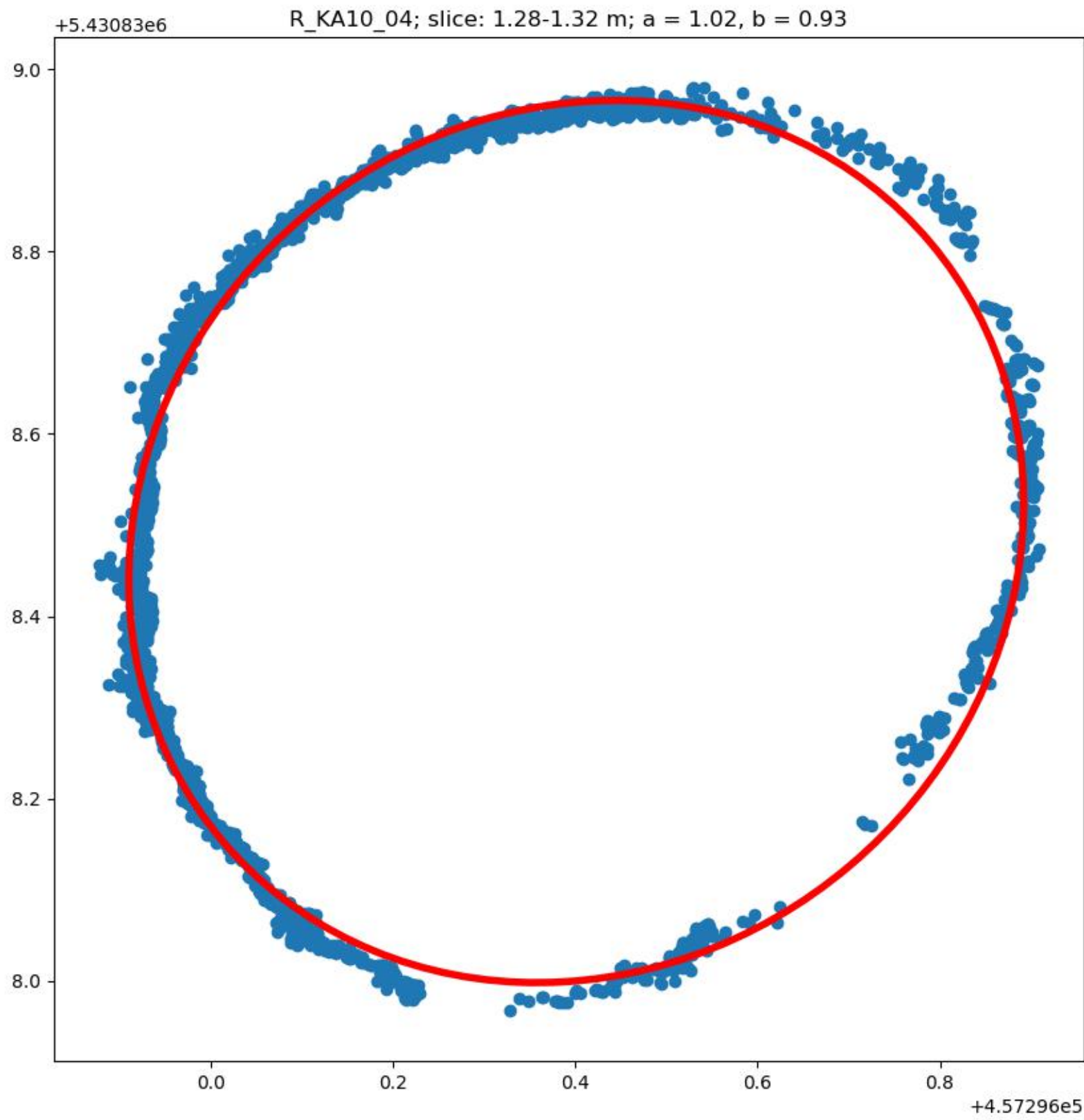
QueRob_BR03_02



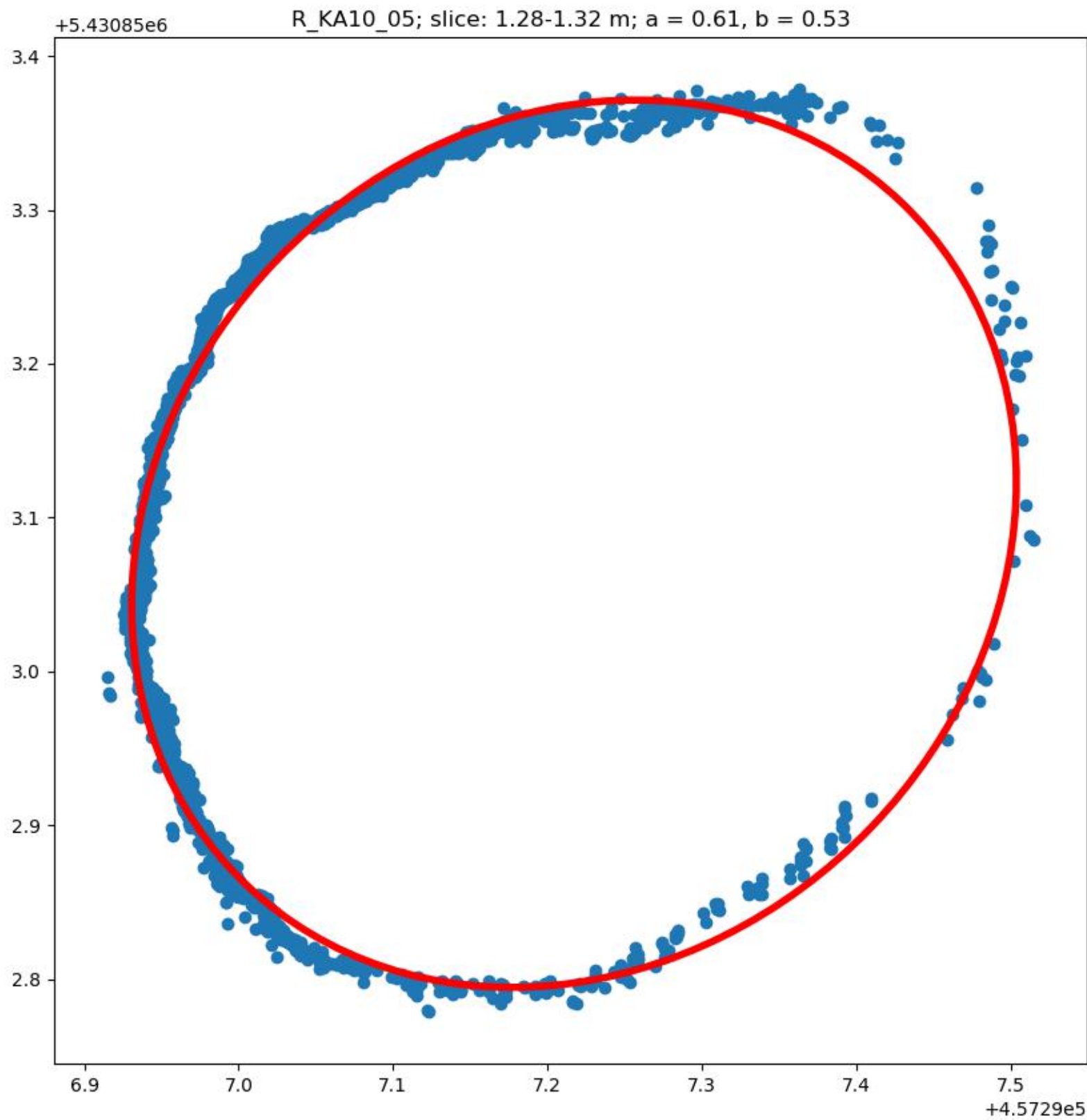
QueRob_BR03_03



QueRub_KA10_04



QueRub_KA10_05



QueRub_KA10_06

