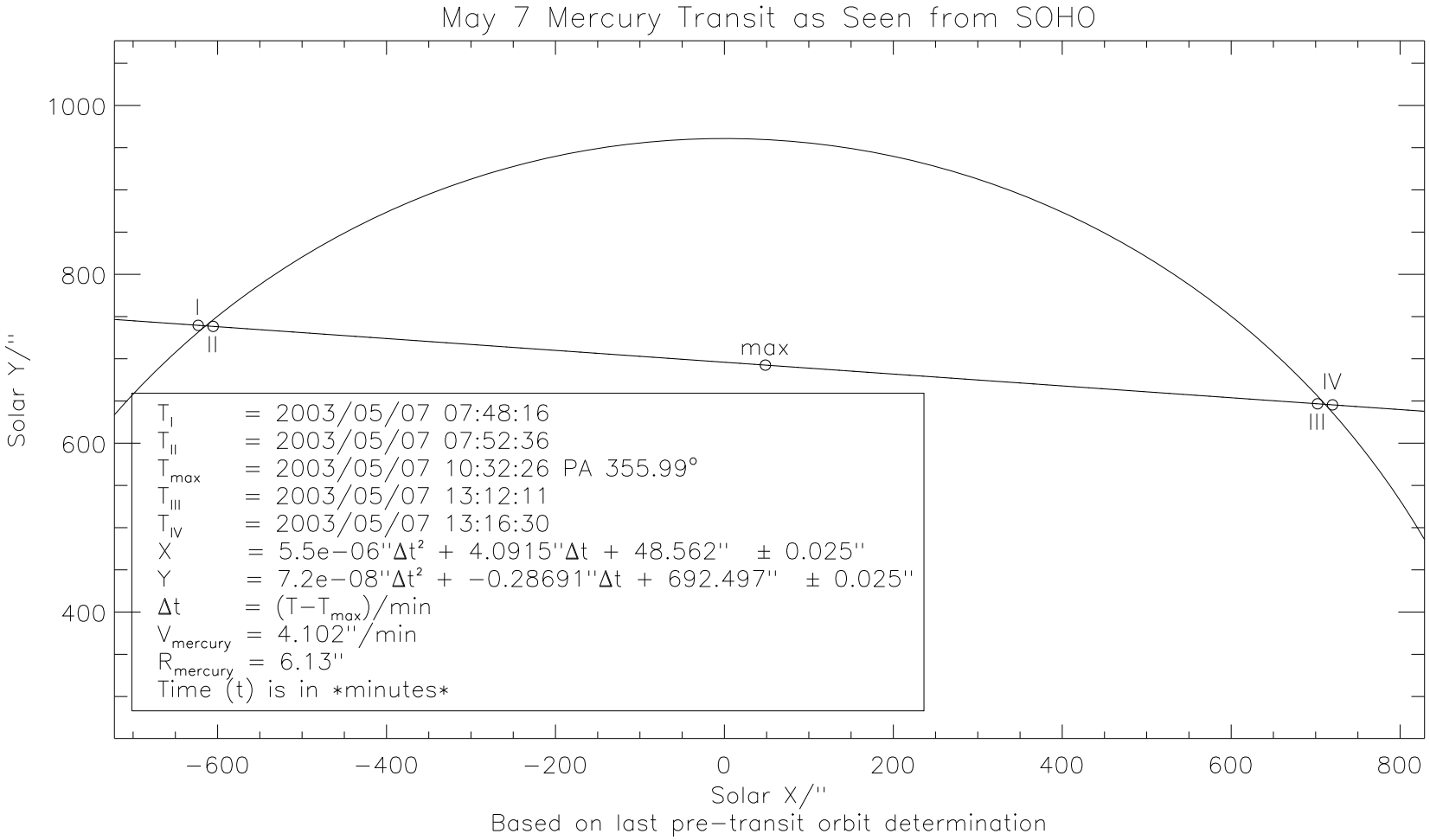
May 7 Mercury Transit as Seen from SOHO
Solar Y/''
1000
800
600
400
I
II
max
III
IV
T_I = 2003/05/07 07:48:16
T_{II} = 2003/05/07 07:52:36
T_{max} = 2003/05/07 10:32:26 PA 355.99°
T_{III} = 2003/05/07 13:12:11
T_{IV} = 2003/05/07 13:16:30
X = 5.5e−06''Δt² + 4.0915''Δt + 48.562'' ± 0.025''
Y = 7.2e−08''Δt² + −0.28691''Δt + 692.497'' ± 0.025''
Δt = (T−T_{max})/min
$V_{mercury}$ = 4.102''/min
$R_{mercury}$ = 6.13''
Time (t) is in *minutes*
−600
−400
−200
0
200
400
600
800
Solar X/''
Based on last pre−transit orbit determination