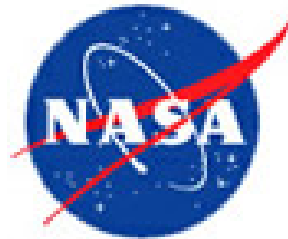


Plots of Pairwise Conflict Resolution for Arrival/Arrival Conflicts



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NASA Ames Research Center

The following plots show test results for resolution of pairwise conflicts (i.e., involving only two flights). Conflict resolution must ultimately account for all traffic, of course, but it was tested and refined on basic pairwise conflicts before more complicated traffic situations were considered.

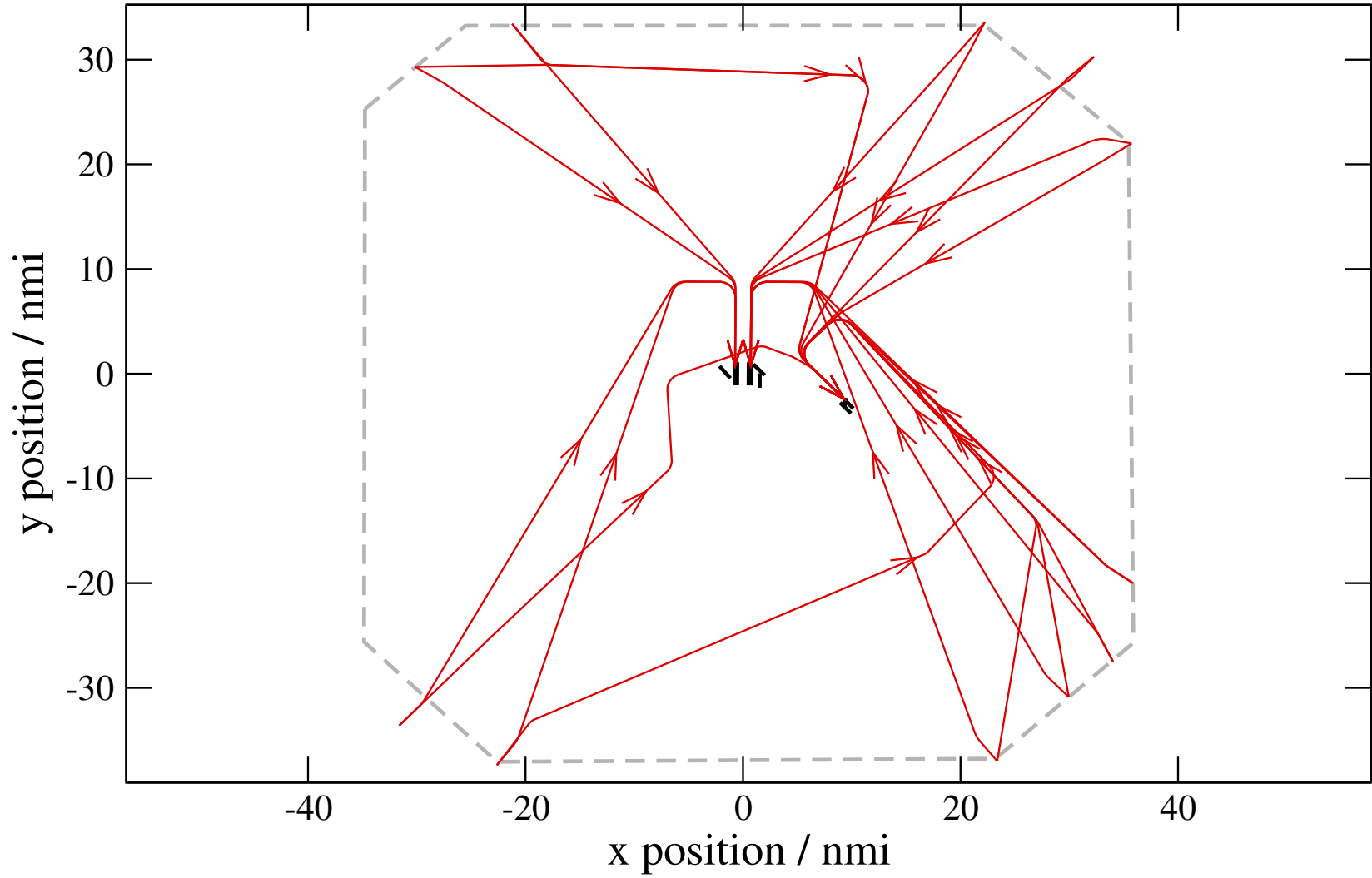
The first plot shows the routes. A representative trajectory was selected for each route, and all pairs of those trajectories were generated (excluding arrivals with routes to the same runway because those are usually handled by the arrival delay methods discussed earlier). For each pair, one trajectory was shifted in time relative to the other in steps of 30 seconds to generate conflicts (separation less than 3 nmi horiz. and 1,000 feet vert.). Each conflict was then resolved as shown in the plots to follow.

A planview plot and an altitude profile plot are shown for each conflict. The planview plot shows the routes and the positions of each flight at the time of minimum separation ratio (which combines the horizontal and vertical separations as explained in the papers). The red rectangles represent the post-resolution bounding areas, and the green ovals represent the buffered bounding areas (which touch when the separation is 3 nmi). The dashed green ovals represent the buffered bounding areas at pre-resolution minimum separation ratio. In the altitude profile plots, the dashed lines represent the pre-resolution profiles, and the solid lines represent the post-resolution profiles. The red vertical lines mark the time at which horizontal separation goes below 3 nmi, and the dashed green vertical lines mark the time at which it goes back above 3 nmi.

[generated using `sim/PairwiseResTest.scala`]

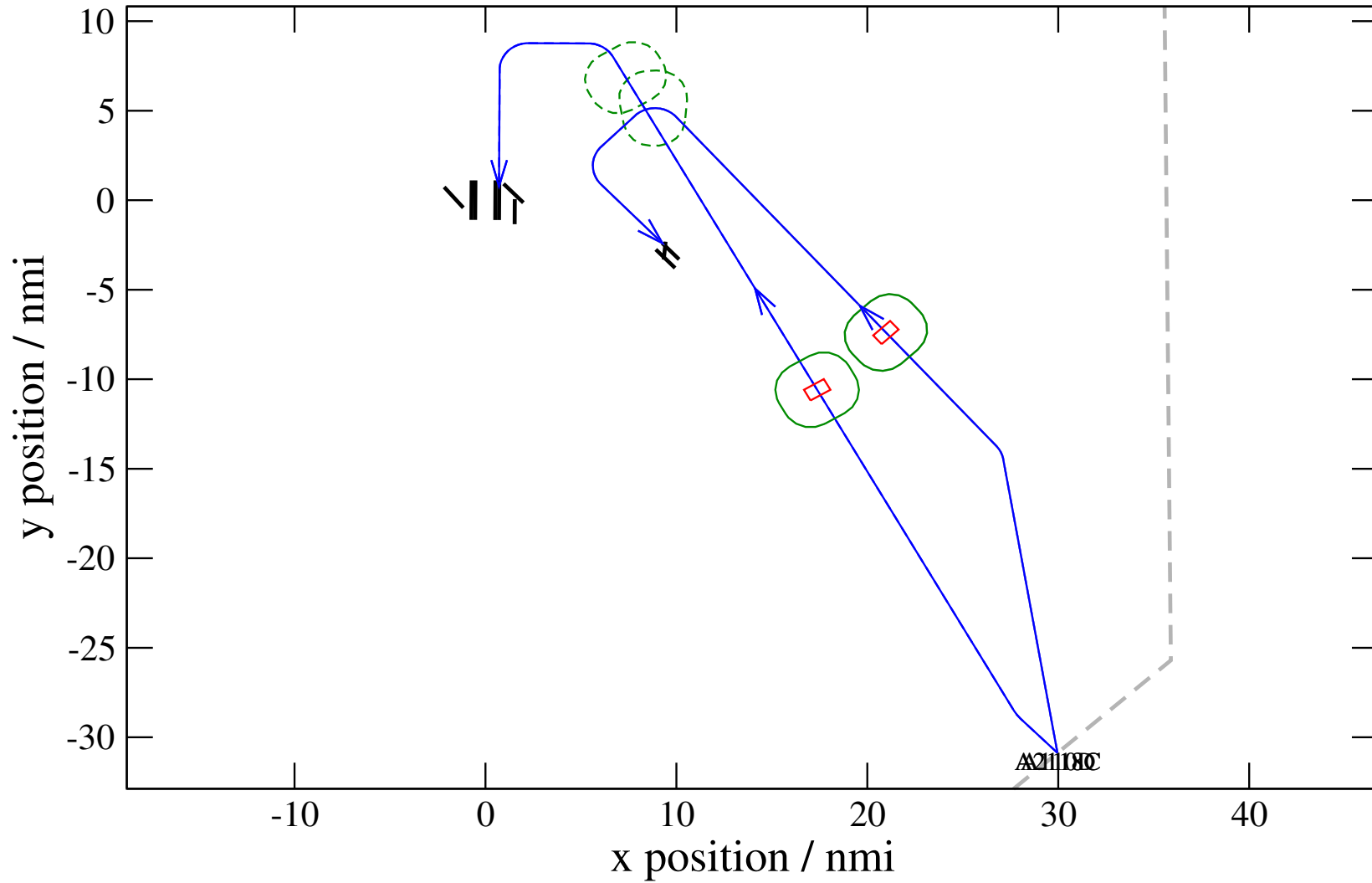
Arrival Routes

22 Unique Routes



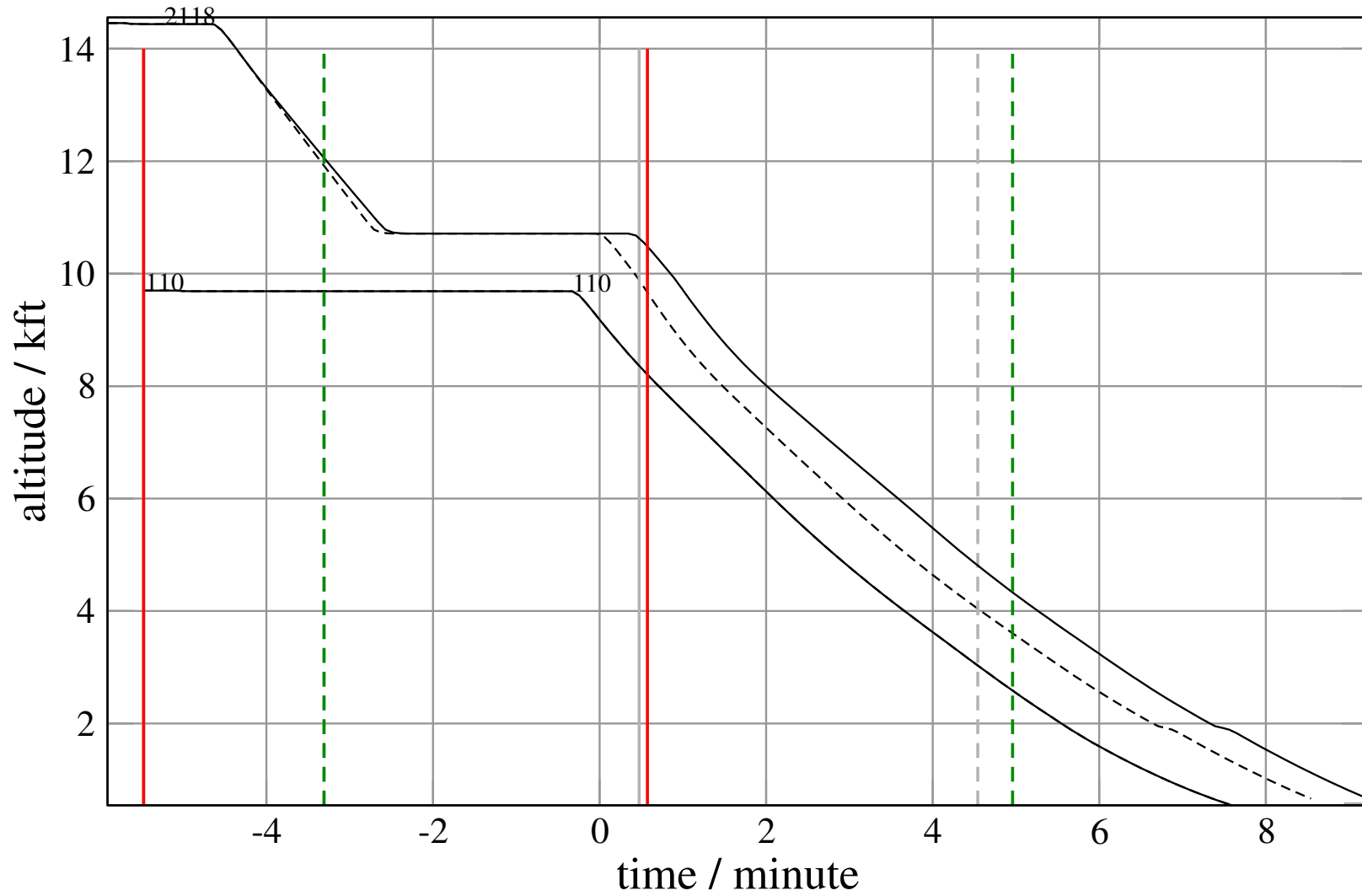
Maneuver Planview

+ A2118C-A110D 0.604V->1.203V: A2118C speed dec 22 kn (+41 s) 2118-110-28



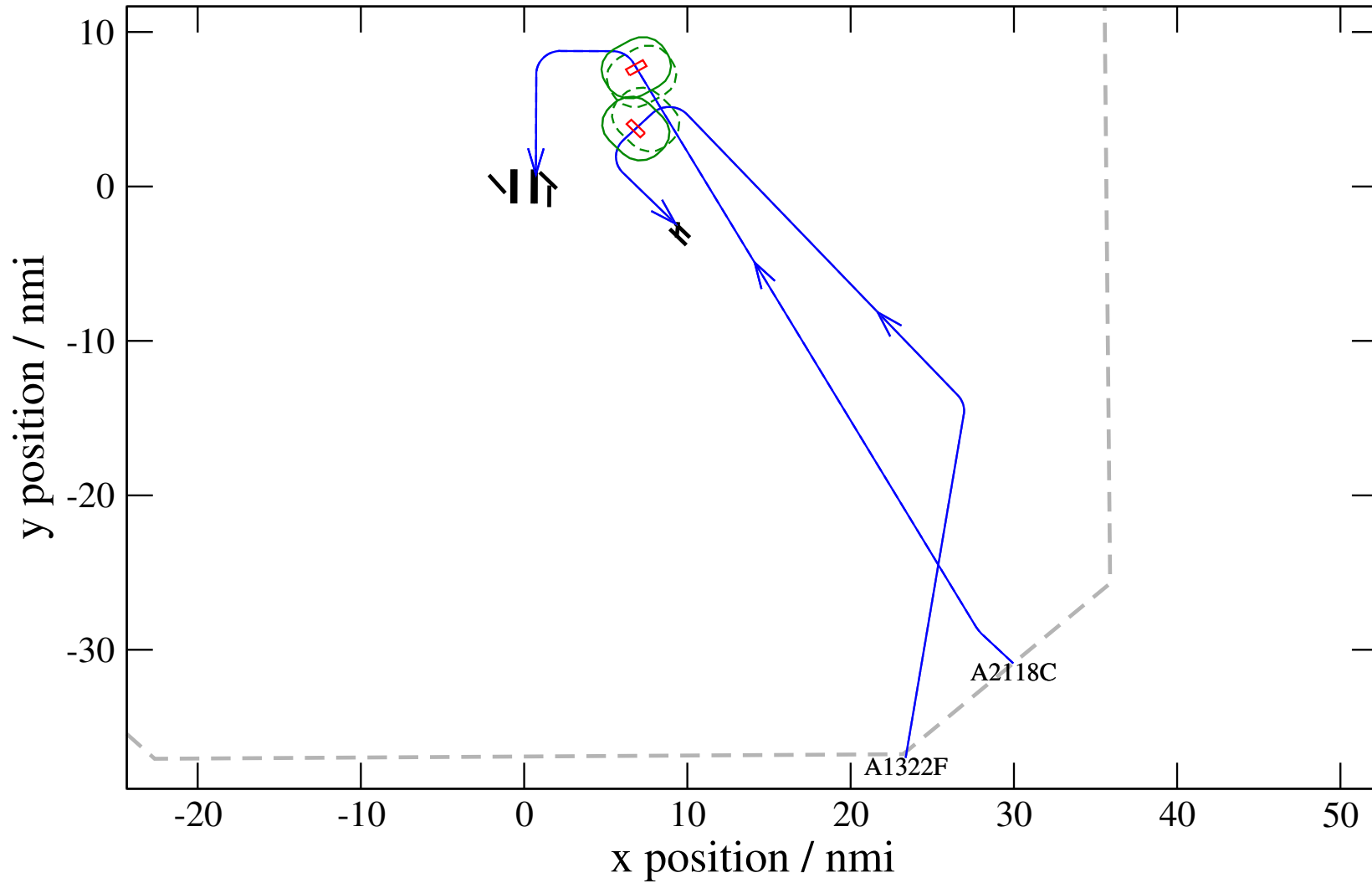
Maneuver Altitude Profiles

+ A2118C-A110D 0.604V->1.203V: A2118C speed dec 22 kn (+41 s) 2118-110-28



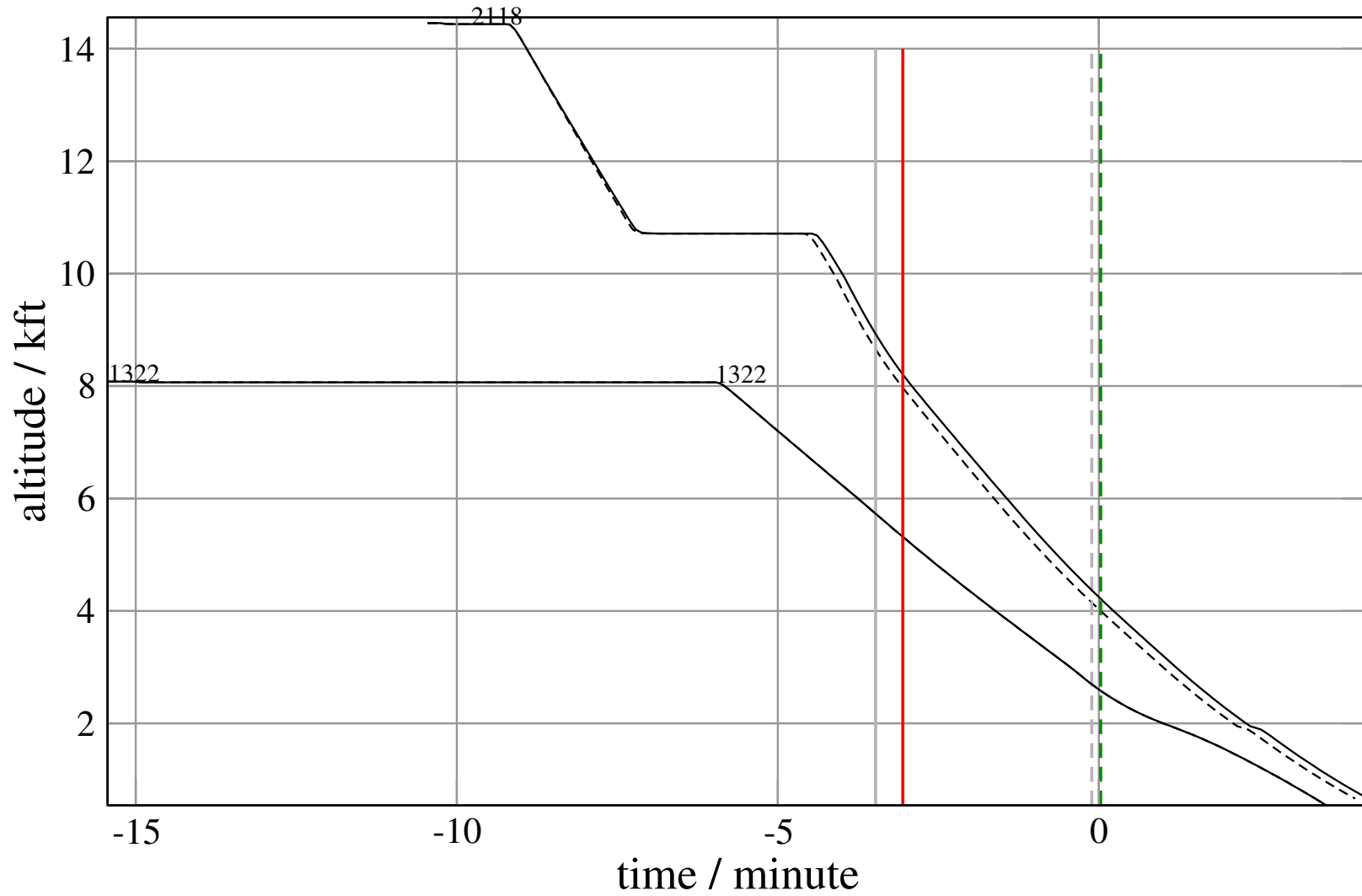
Maneuver Planview

+ A2118C-A1322F 0.957V->1.102V: A2118C speed dec 7 kn (+12 s) 2118-1322-29



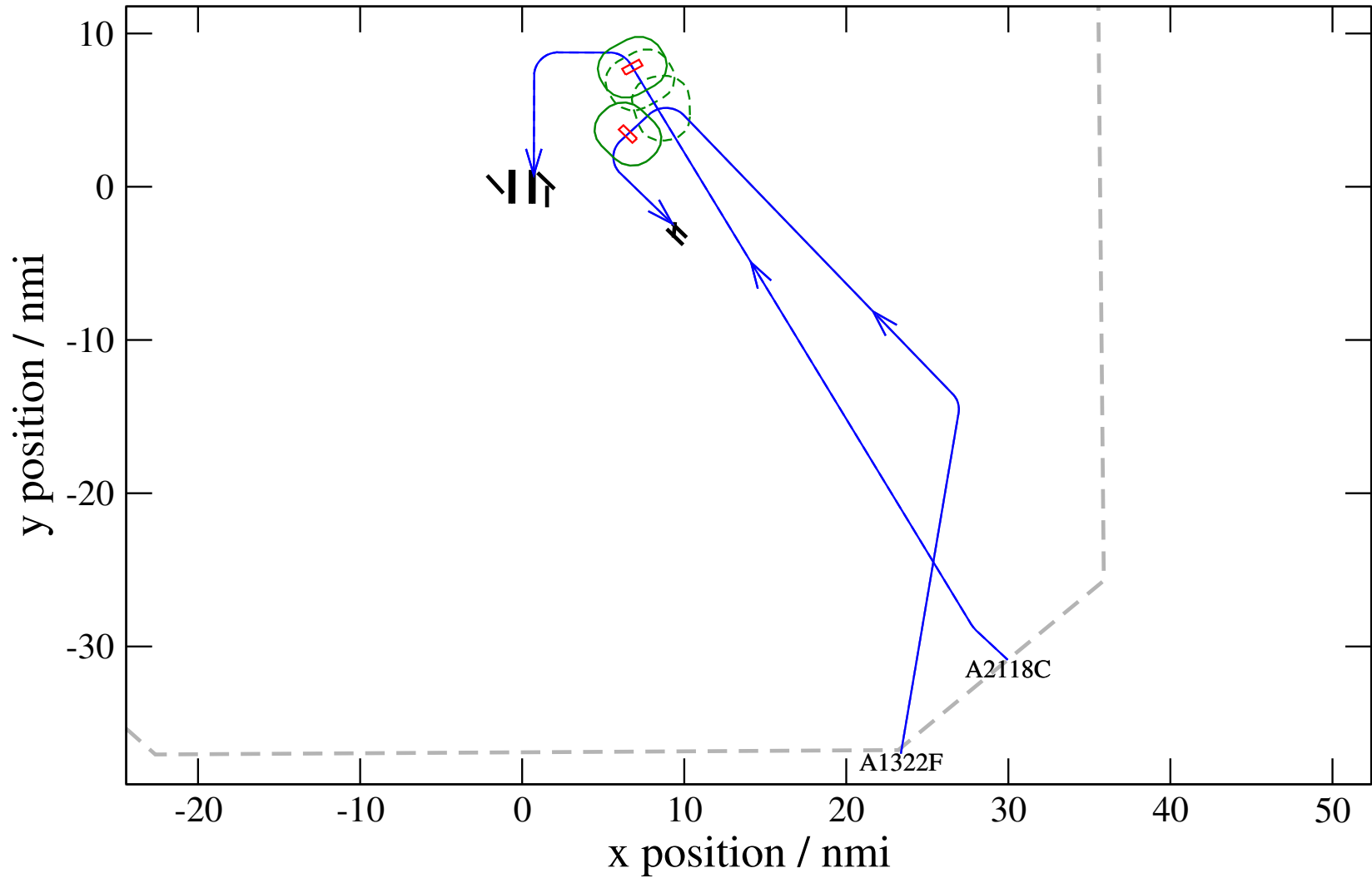
Maneuver Altitude Profiles

+ A2118C-A1322F 0.957V->1.102V: A2118C speed dec 7 kn (+12 s) 2118-1322-29



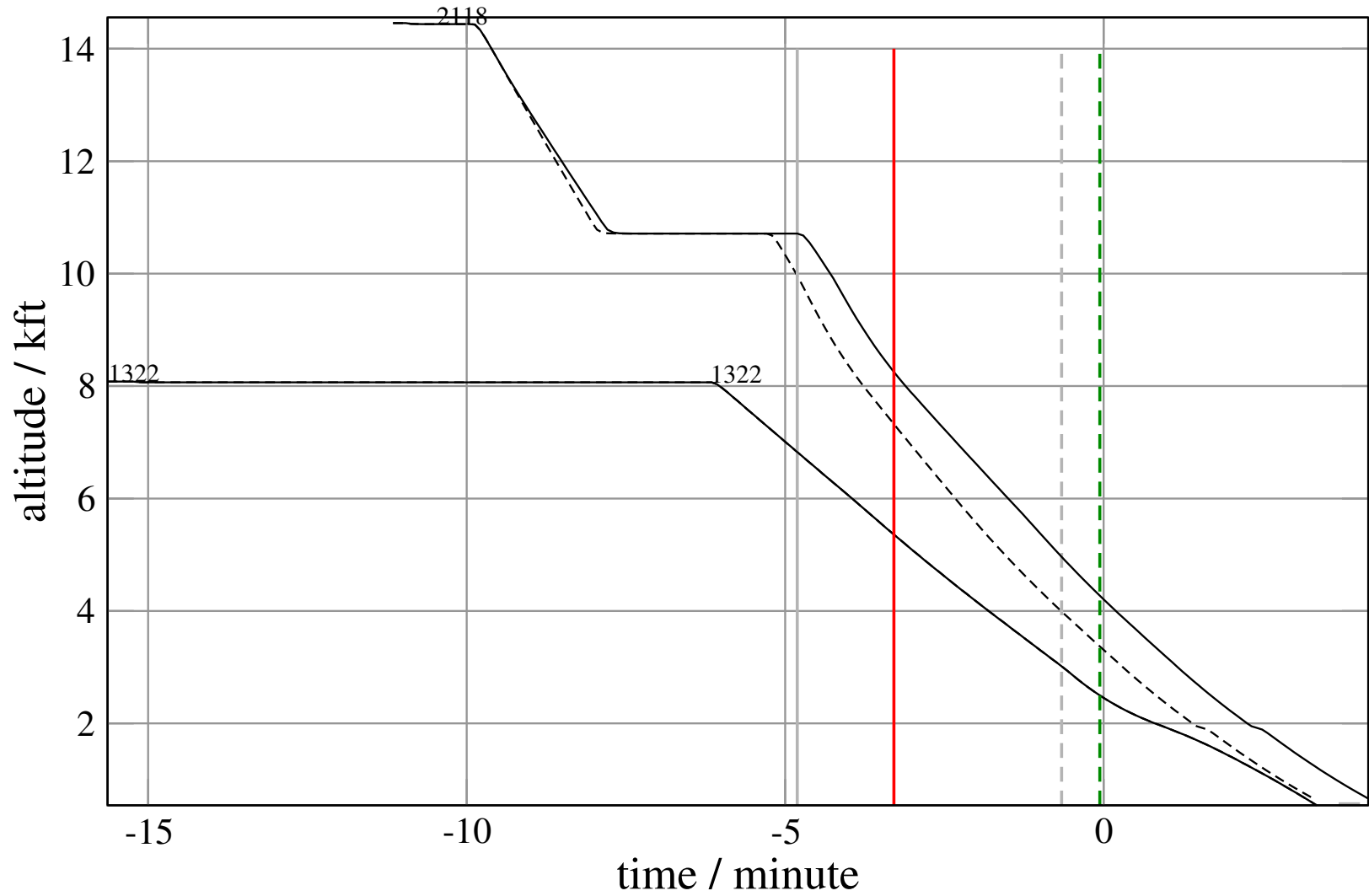
Maneuver Planview

+ A2118C-A1322F 0.625V->1.232V: A2118C speed dec 27 kn (+52 s) 2118-1322-30



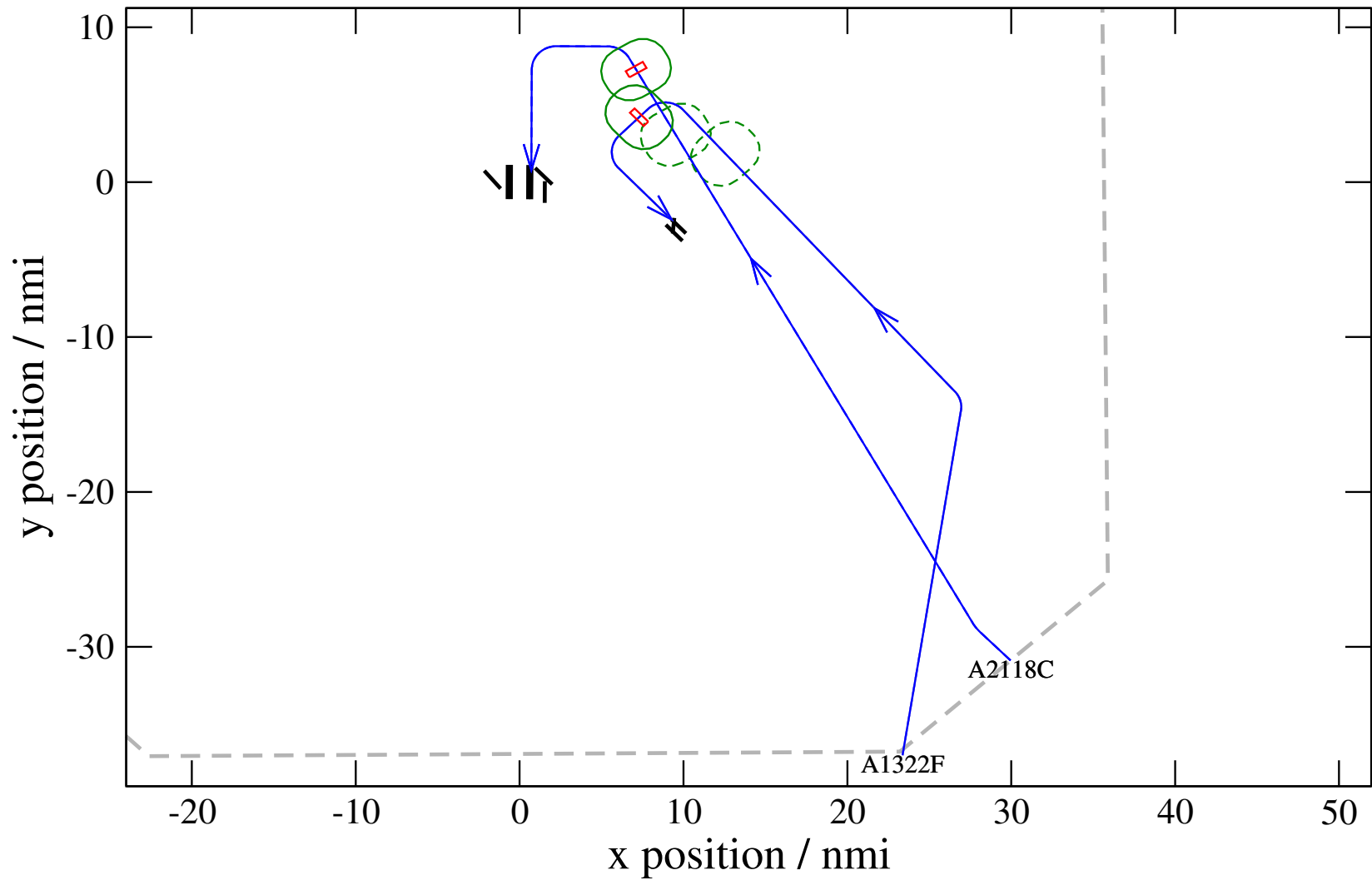
Maneuver Altitude Profiles

+ A2118C-A1322F 0.625V->1.232V: A2118C speed dec 27 kn (+52 s) 2118-1322-30



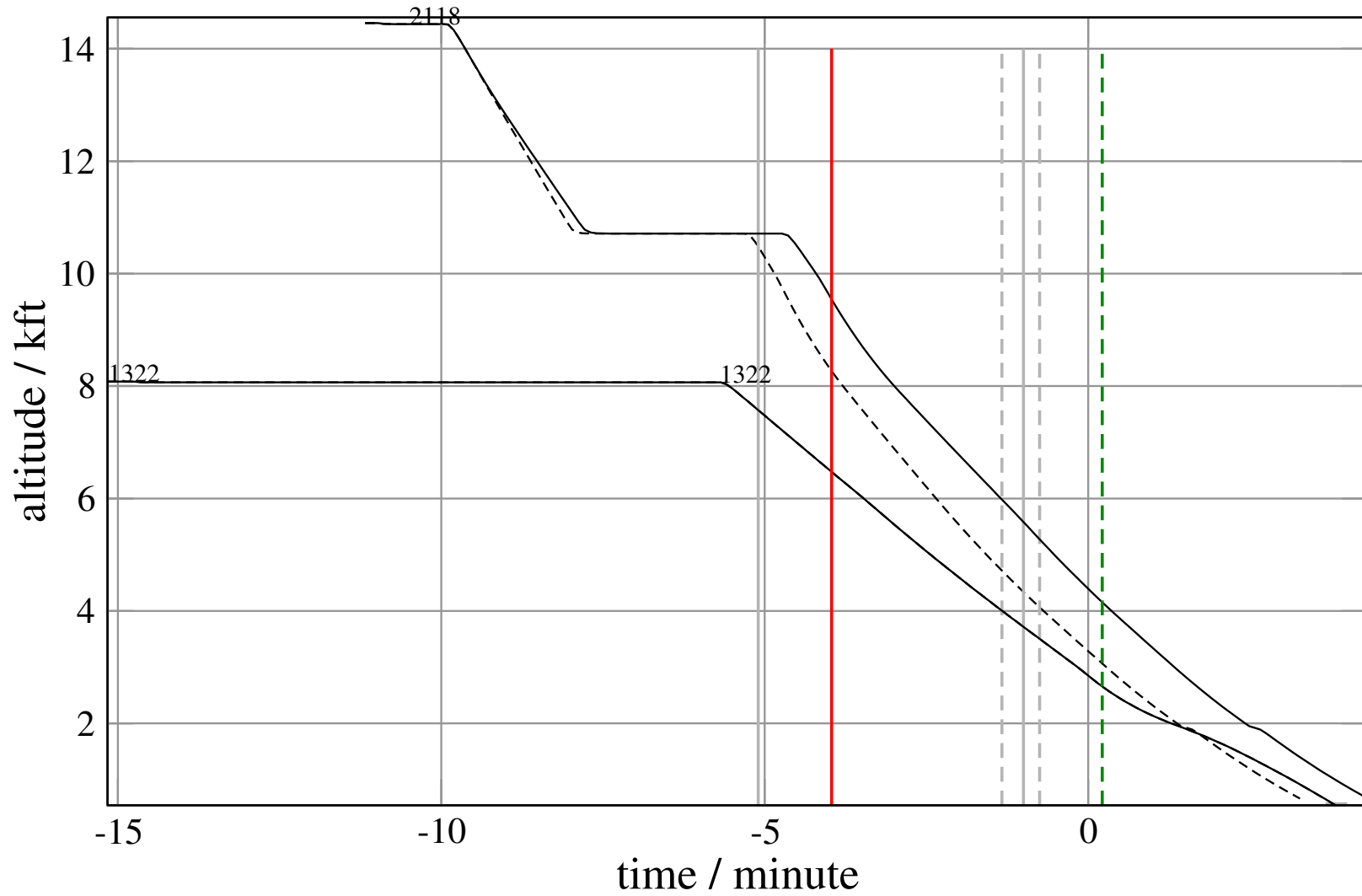
Maneuver Planview

+ A2118C-A1322F 0.785H->1.000H(div): A2118C speed dec 32 kn (+63 s) 2118-1322-31



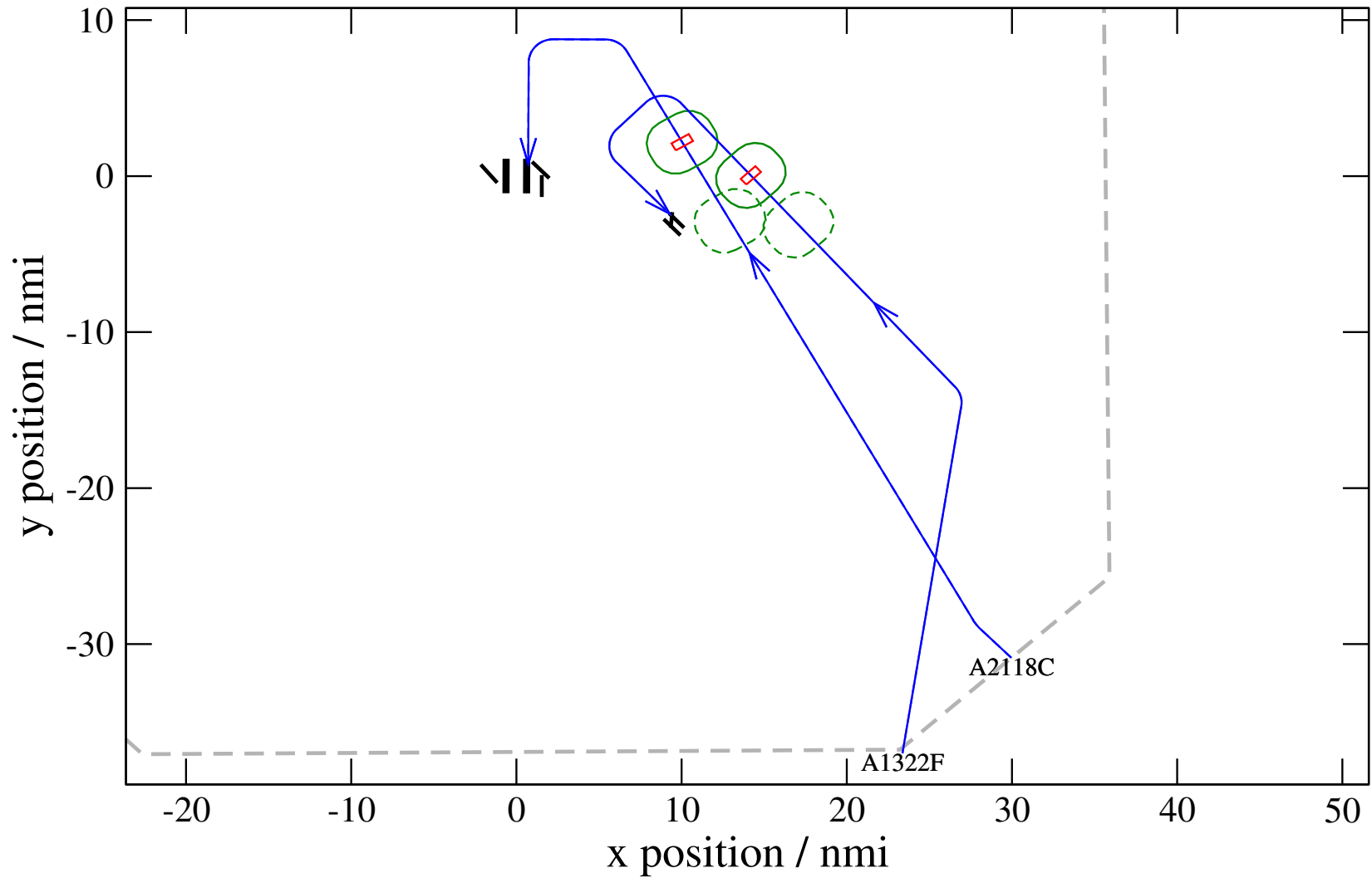
Maneuver Altitude Profiles

+ A2118C-A1322F 0.785H->1.000H(div): A2118C speed dec 32 kn (+63 s) 2118-1322-31



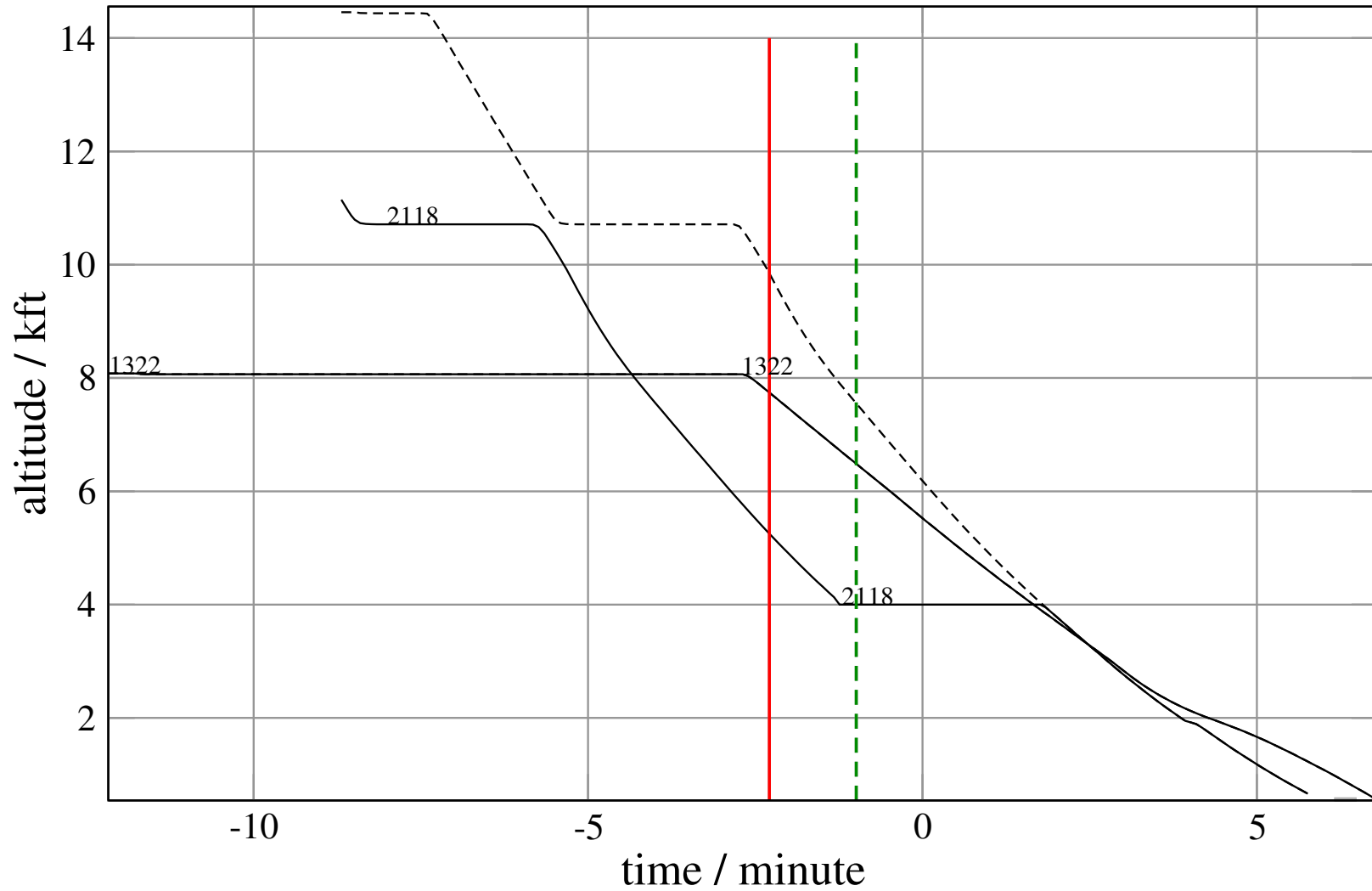
Maneuver Planview

+ A2118C-A1322F 0.964V->1.258H: A2118C temp alt 4.0 kft, 3.0 Min (+0 s) 2118-1322-32



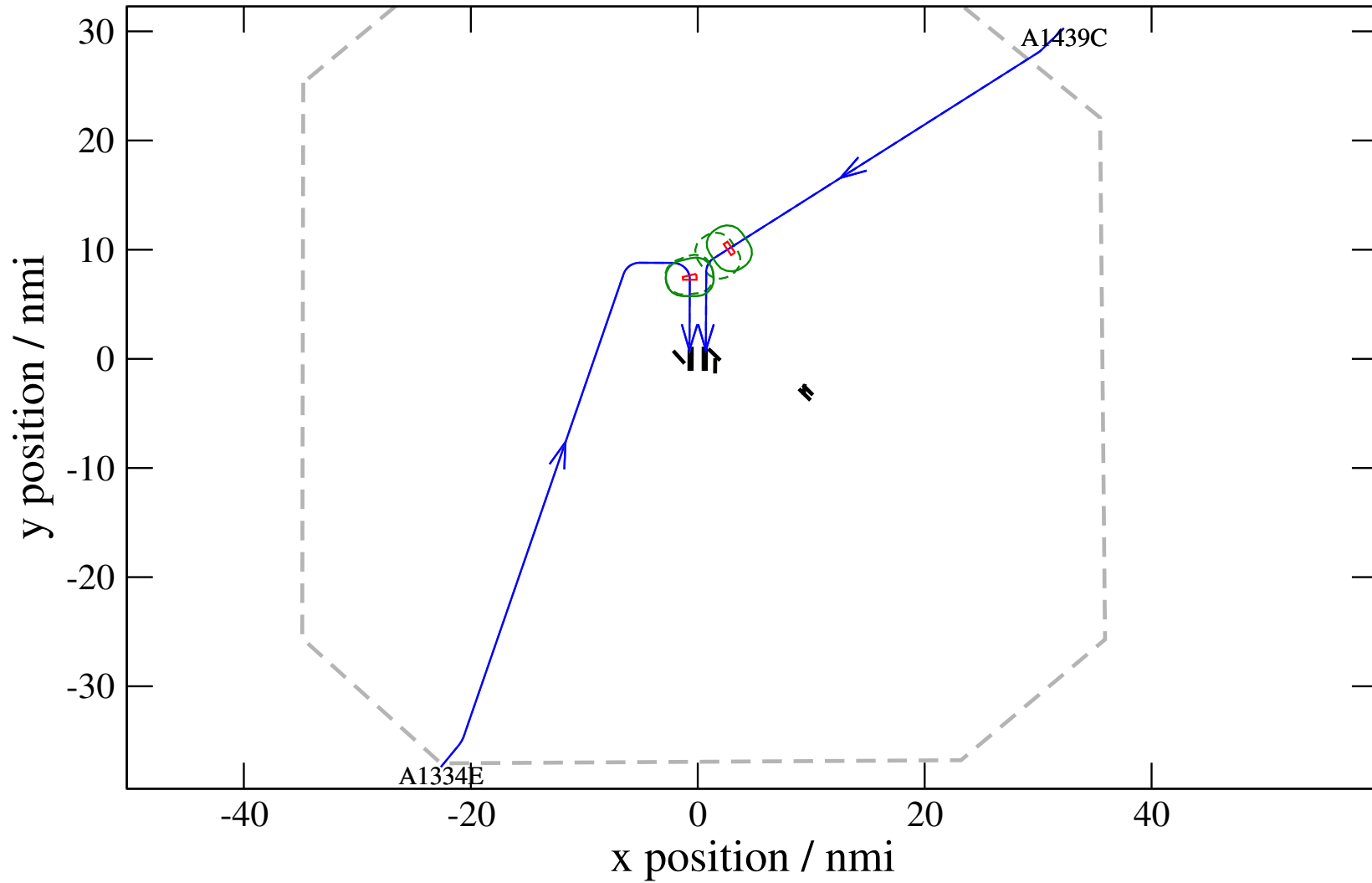
Maneuver Altitude Profiles

+ A2118C-A1322F 0.964V->1.258H: A2118C temp alt 4.0 kft, 3.0 Min (+0 s) 2118-1322-32



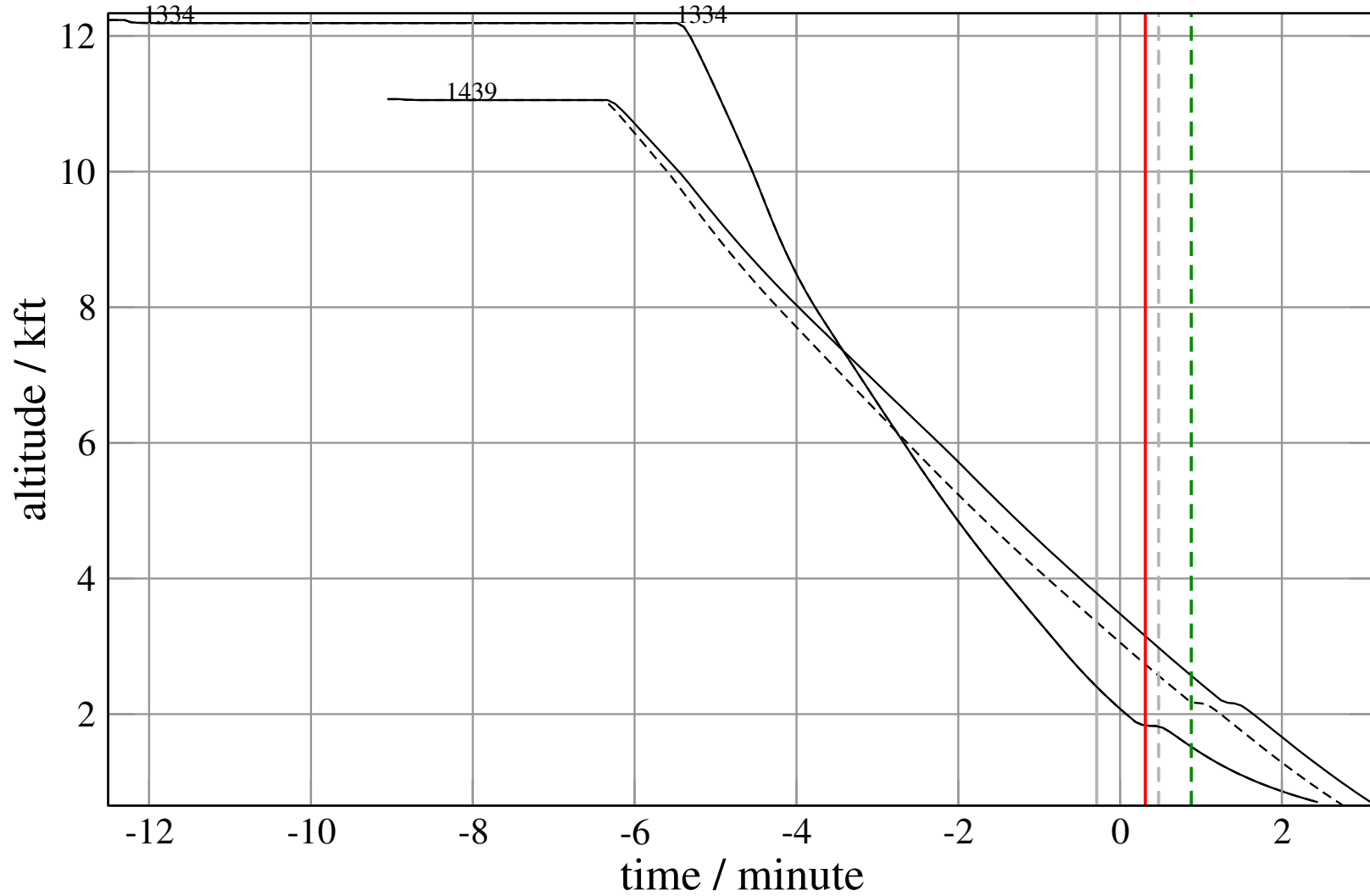
Maneuver Planview

+ A1439C-A1334E 0.751H->1.180H: A1439C speed dec 20 kn (+24 s) 1439-1334-24



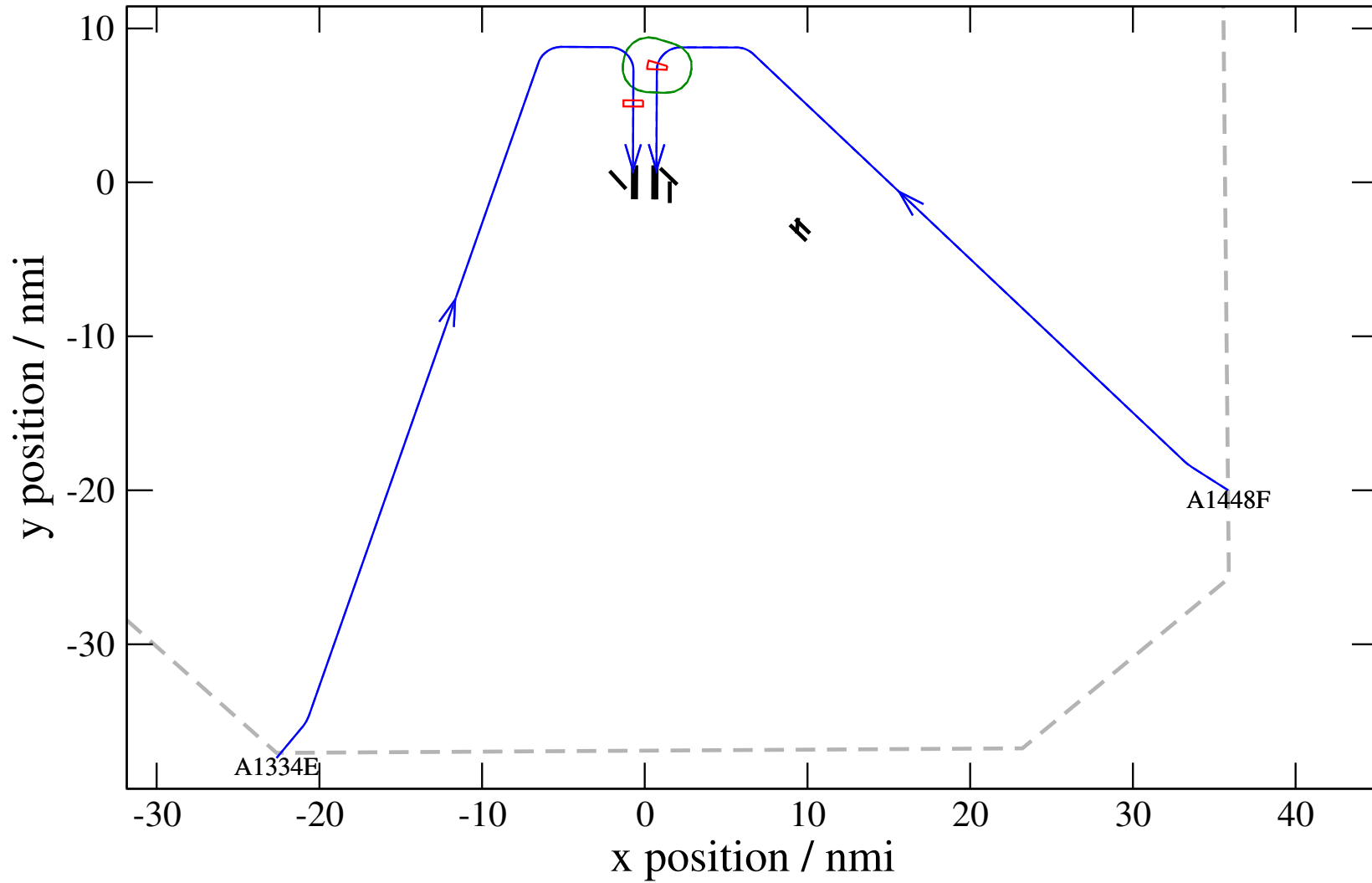
Maneuver Altitude Profiles

+ A1439C-A1334E 0.751H->1.180H: A1439C speed dec 20 kn (+24 s) 1439-1334-24



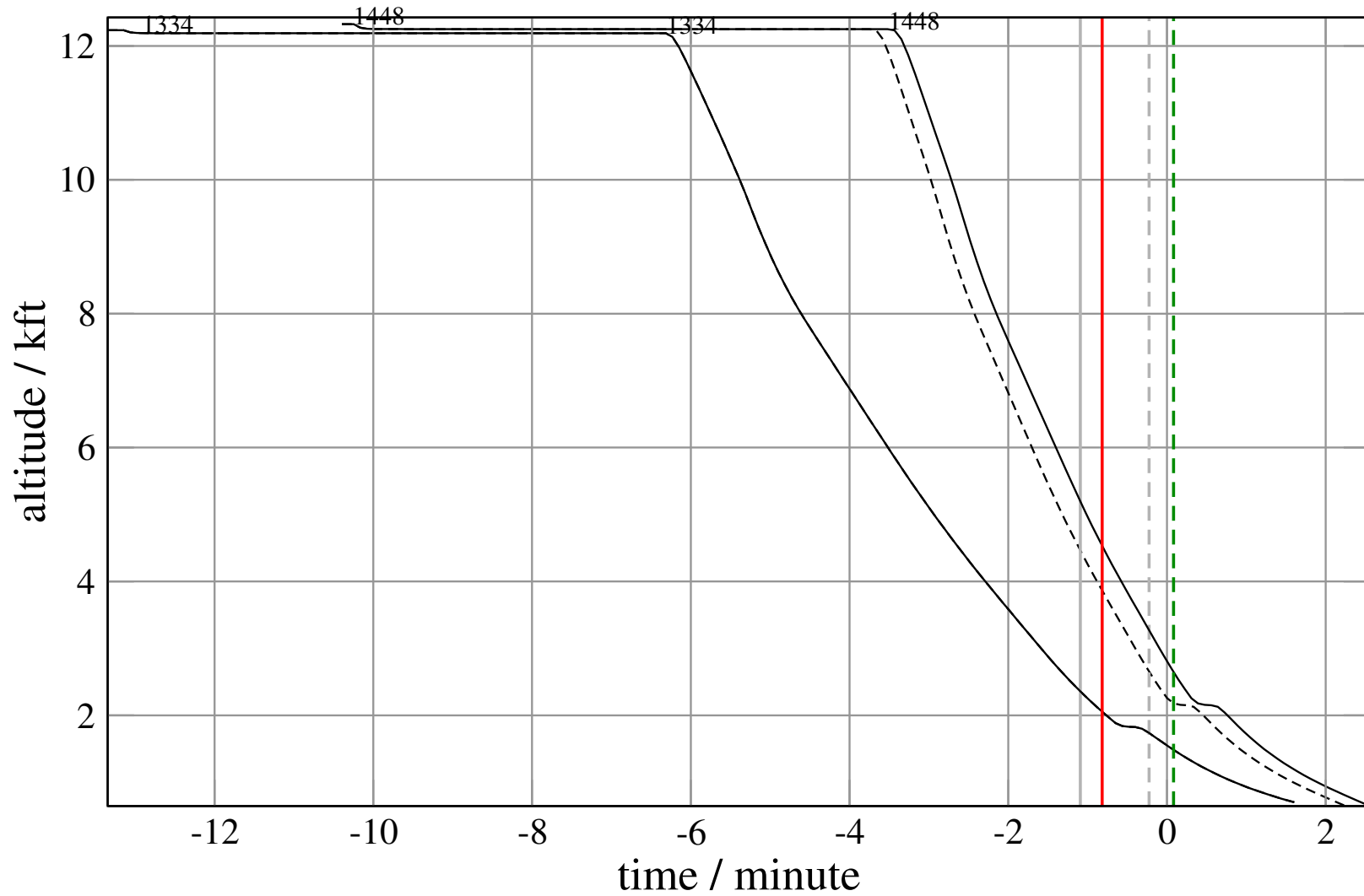
Maneuver Planview

+ A1448F-A1334E 0.810V->1.104H: A1448F speed dec 10 kn (+18 s) 1448-1334-25



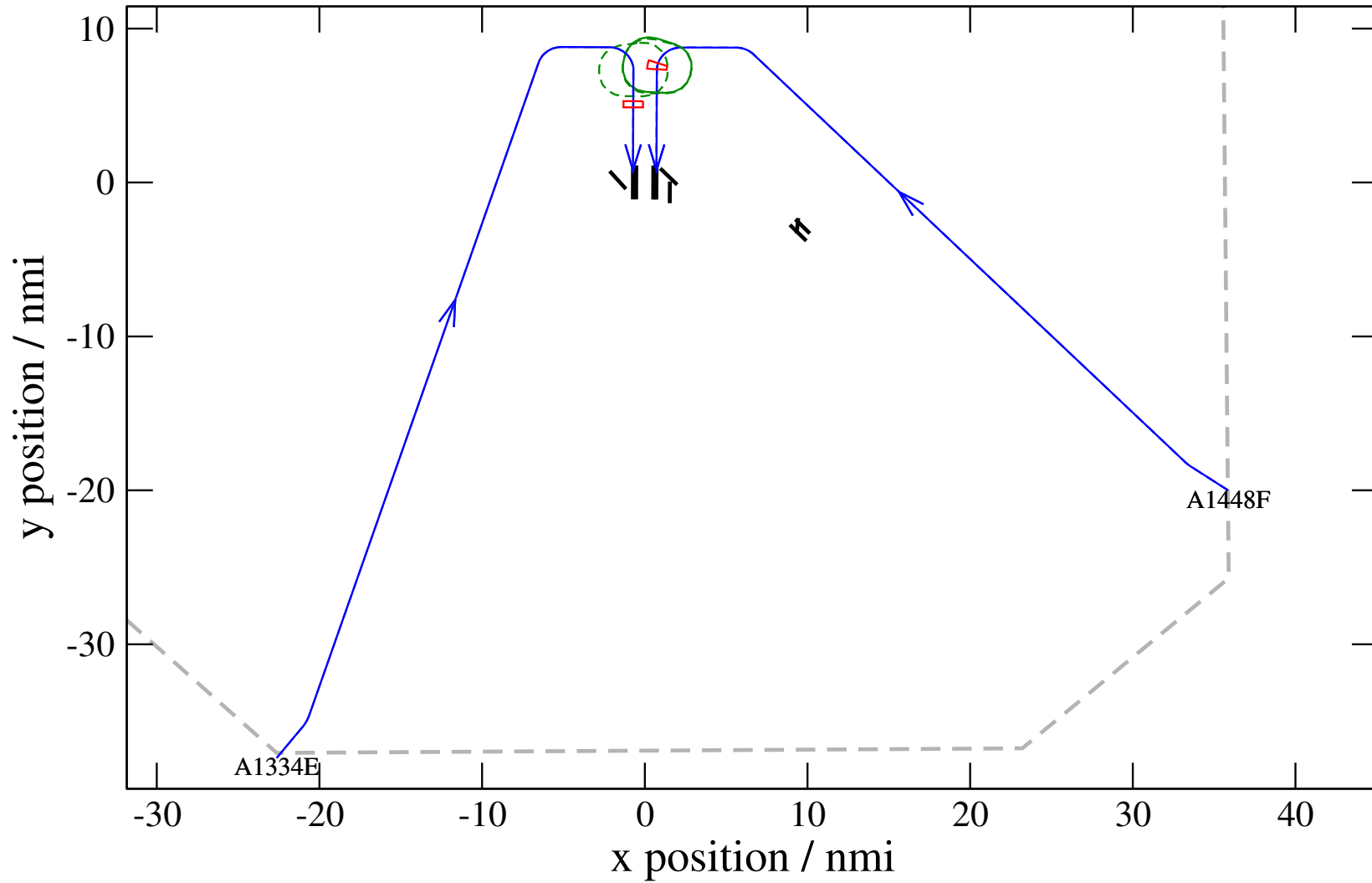
Maneuver Altitude Profiles

+ A1448F-A1334E 0.810V->1.104H: A1448F speed dec 10 kn (+18 s) 1448-1334-25



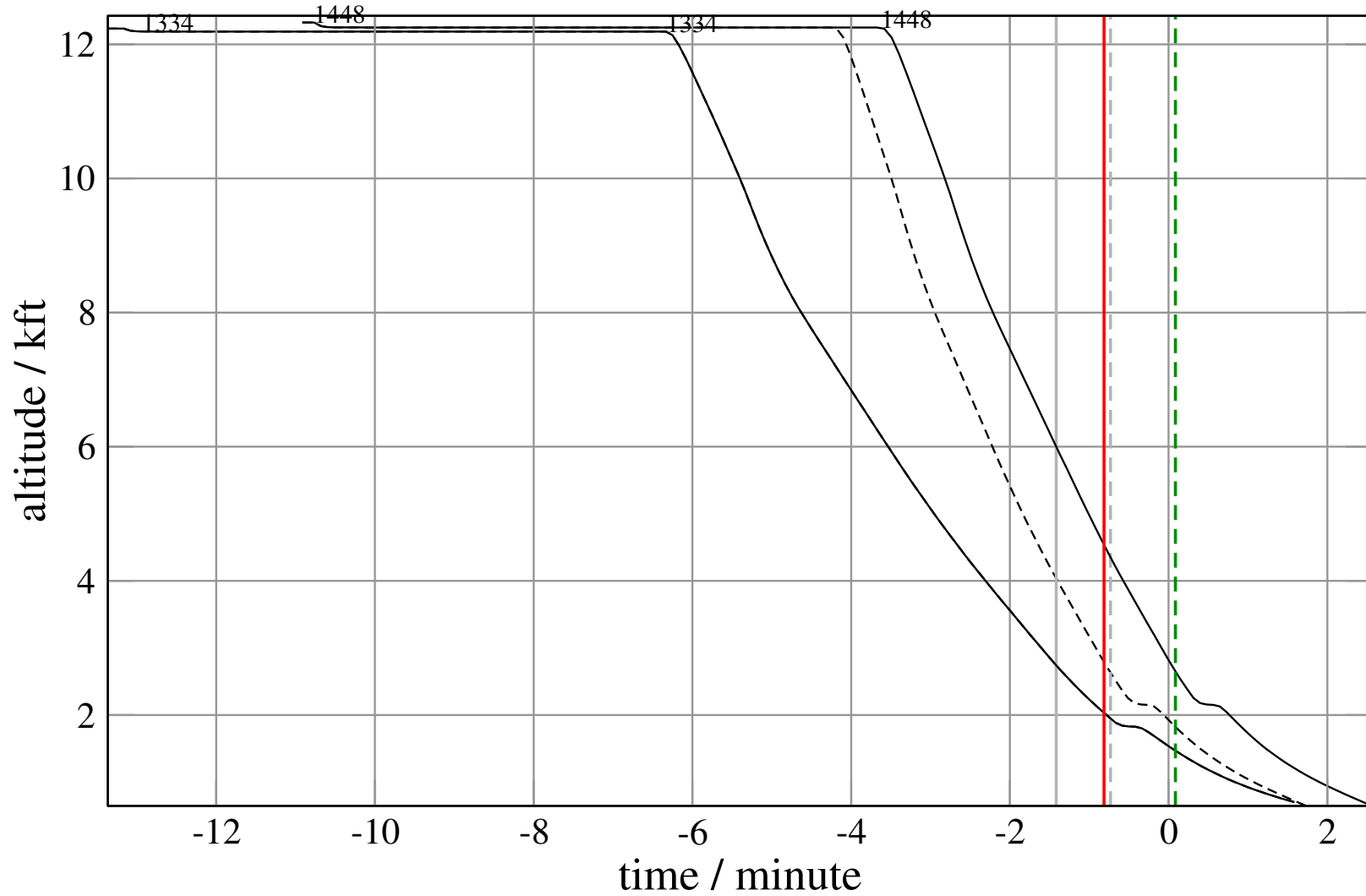
Maneuver Planview

+ A1448F-A1334E 0.475V->1.137H: A1448F speed dec 25 kn (+50 s) 1448-1334-26



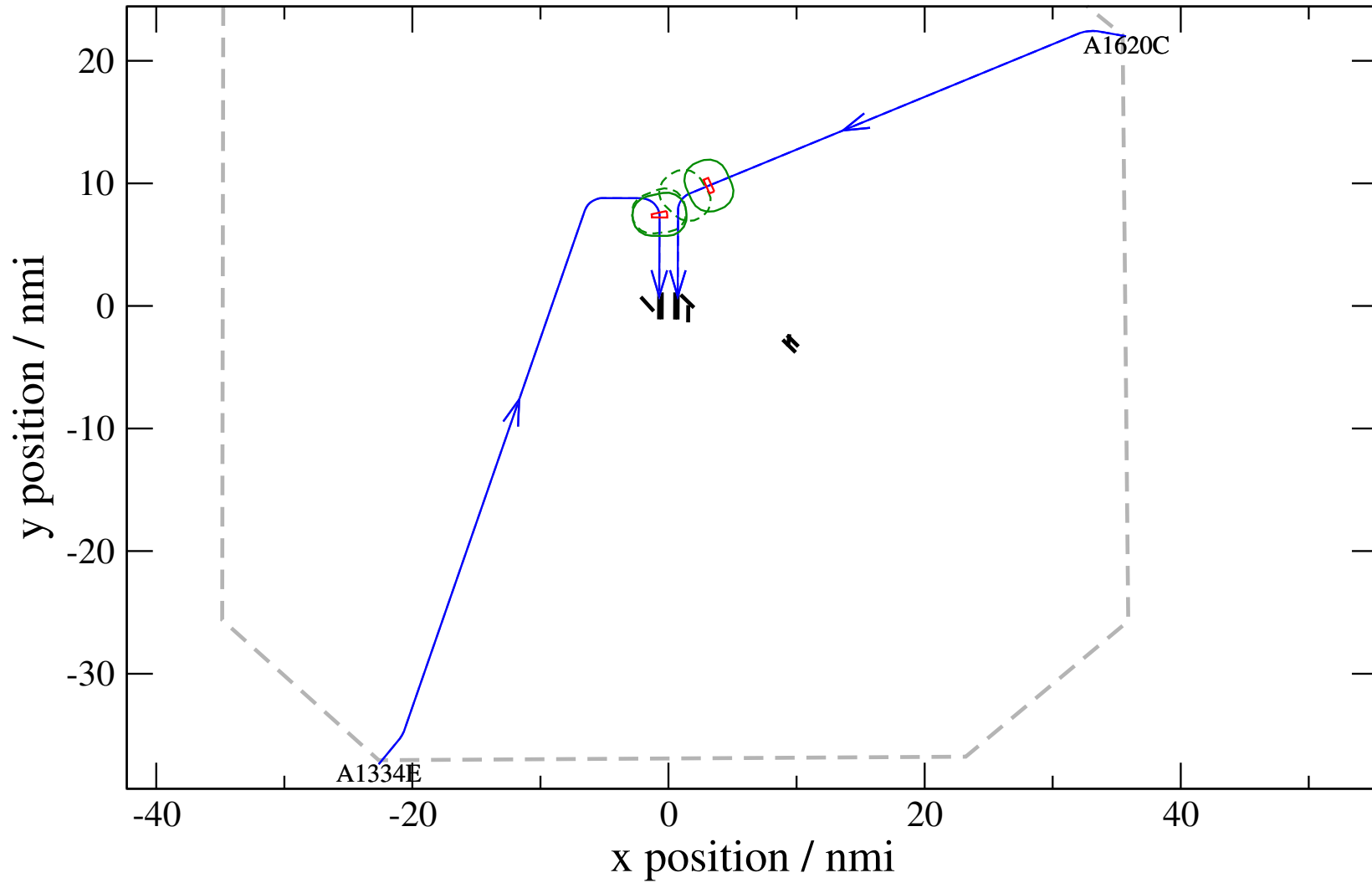
Maneuver Altitude Profiles

+ A1448F-A1334E 0.475V->1.137H: A1448F speed dec 25 kn (+50 s) 1448-1334-26



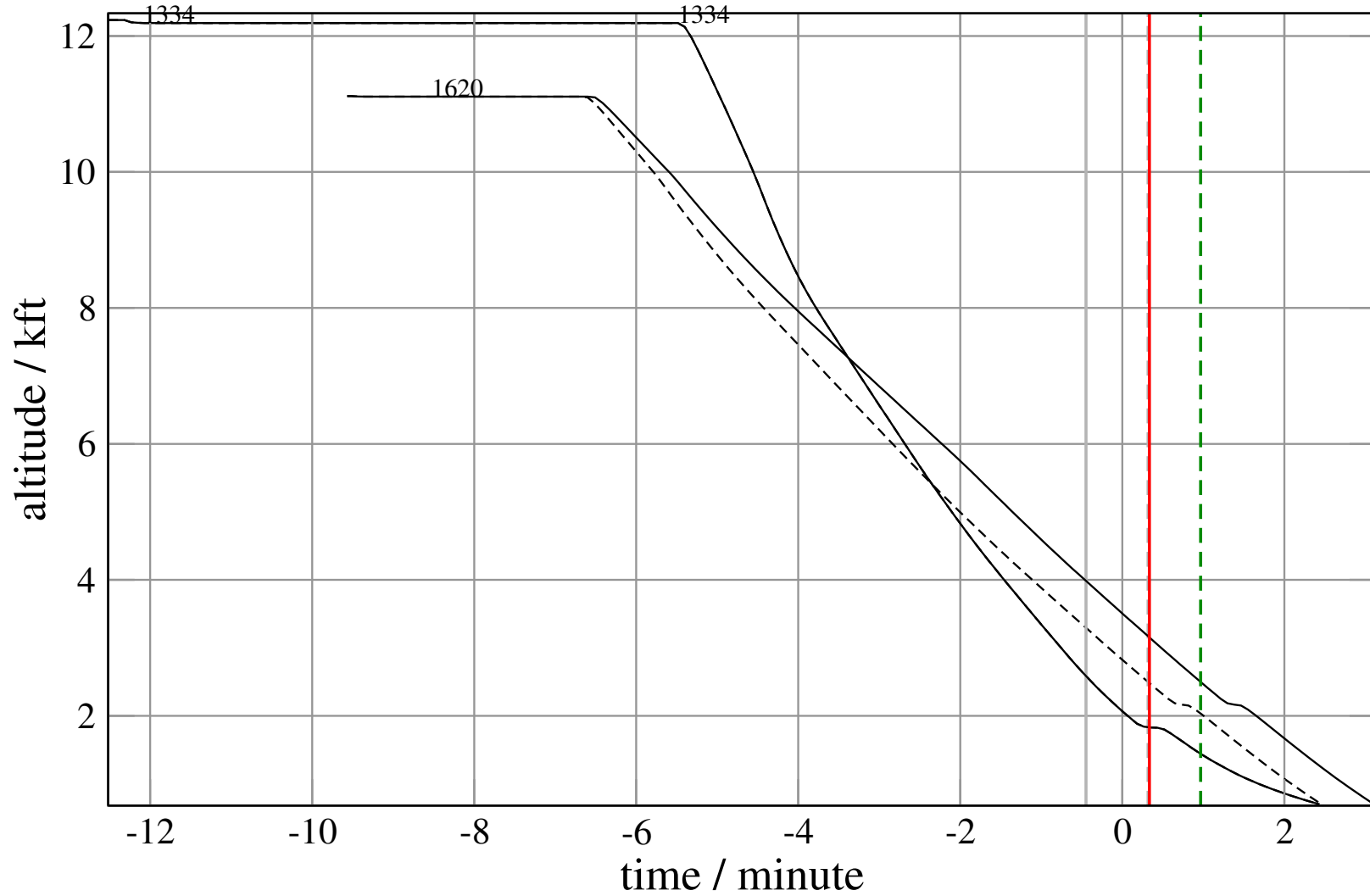
Maneuver Planview

+ A1620C-A1334E 0.527V->1.216V: A1620C speed dec 31 kn (+39 s) 1334-1620-31



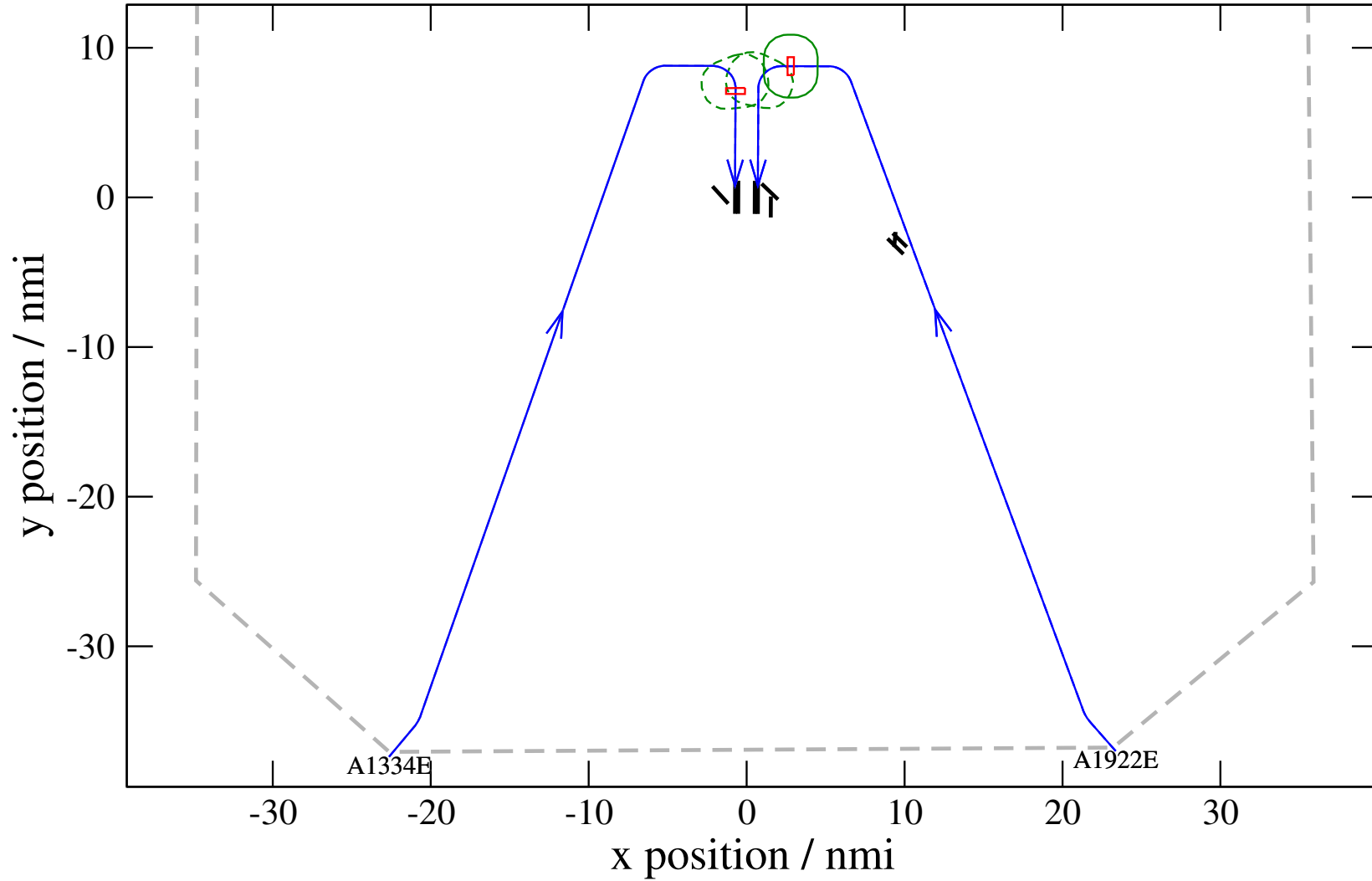
Maneuver Altitude Profiles

+ A1620C-A1334E 0.527V->1.216V: A1620C speed dec 31 kn (+39 s) 1334-1620-31



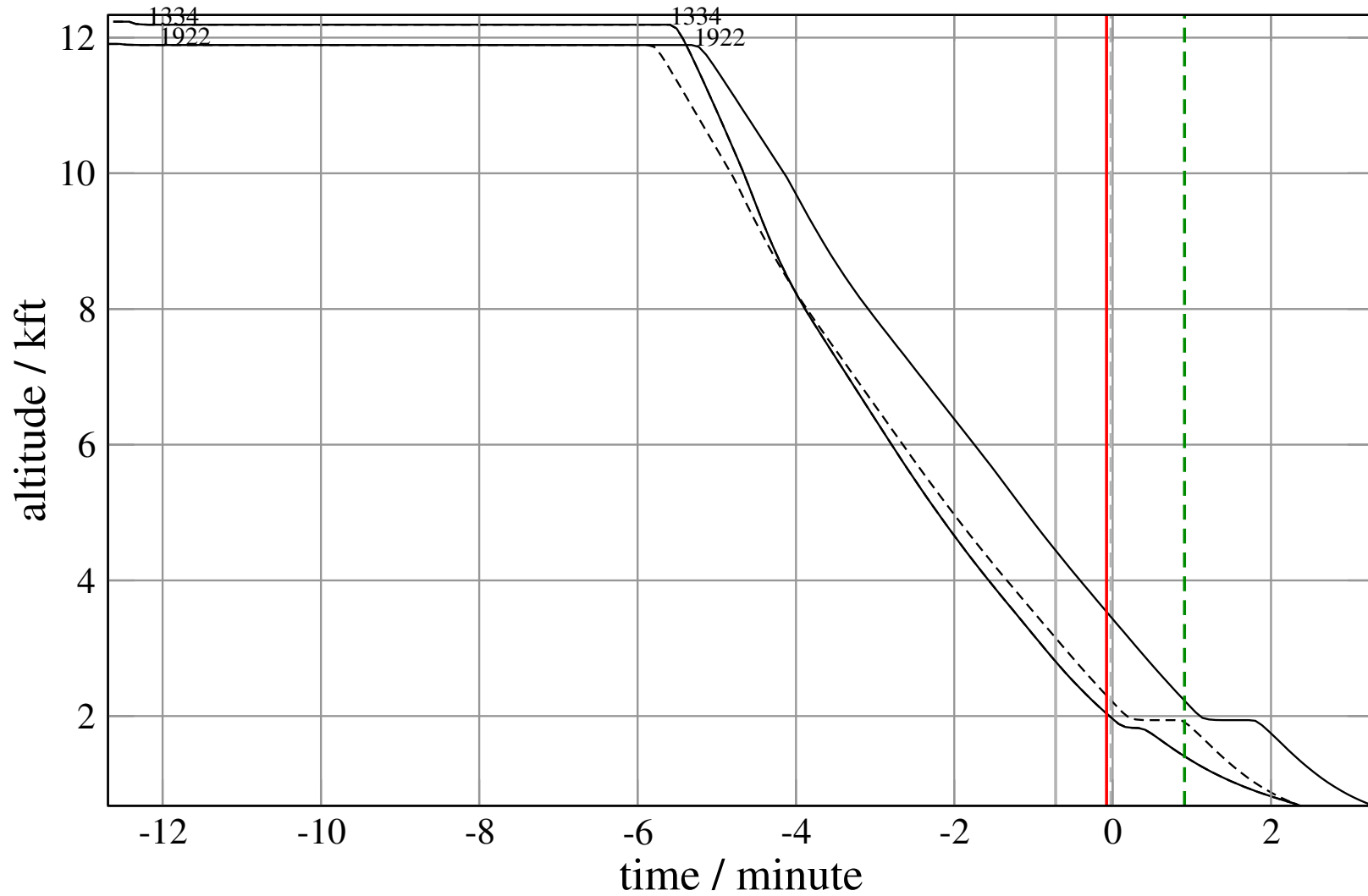
Maneuver Planview

+ A1922E-A1334E 0.114V->1.123V: A1922E speed dec 25 kn (+56 s) 1334-1922-31



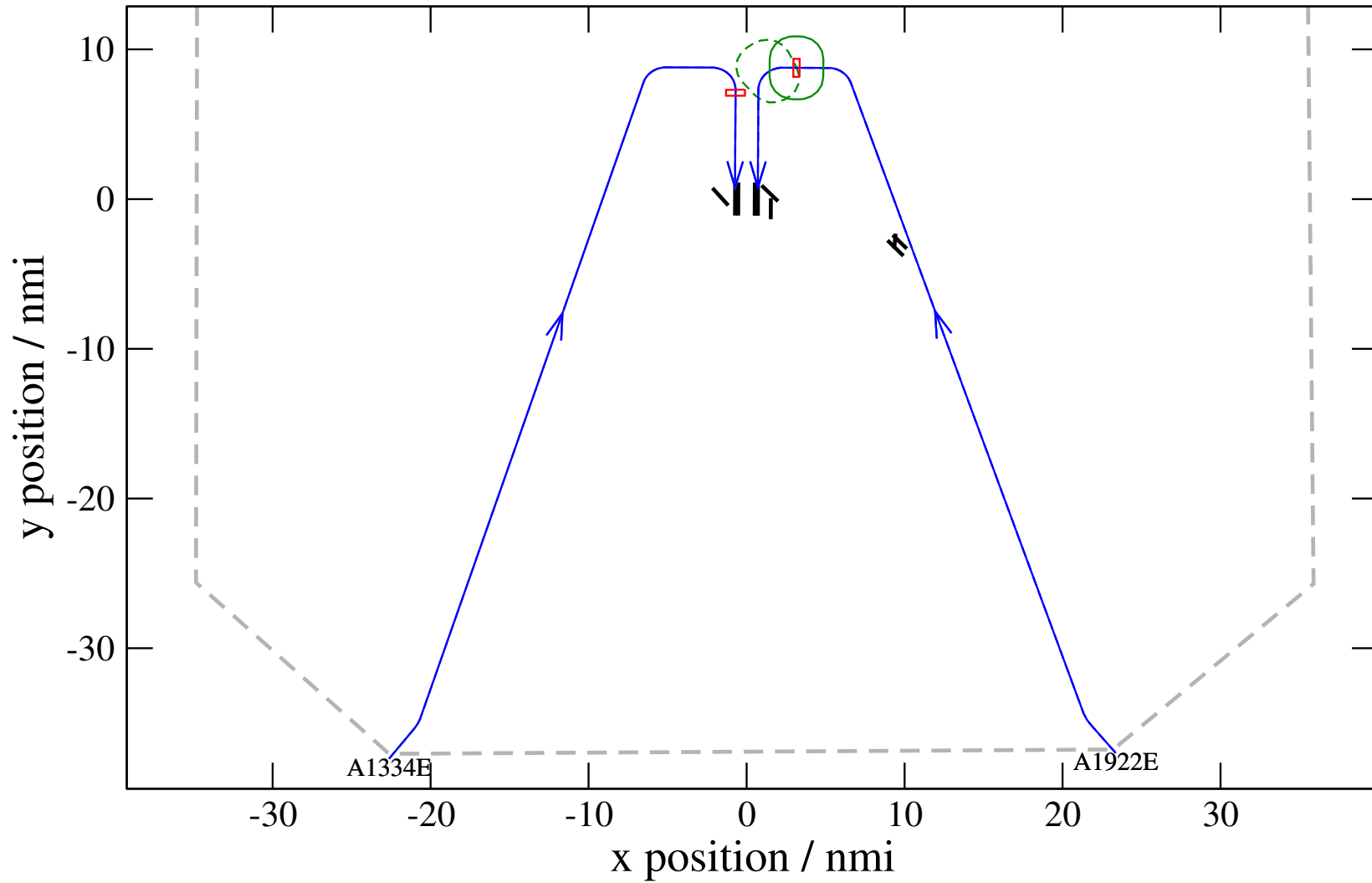
Maneuver Altitude Profiles

+ A1922E-A1334E 0.114V->1.123V: A1922E speed dec 25 kn (+56 s) 1334-1922-31



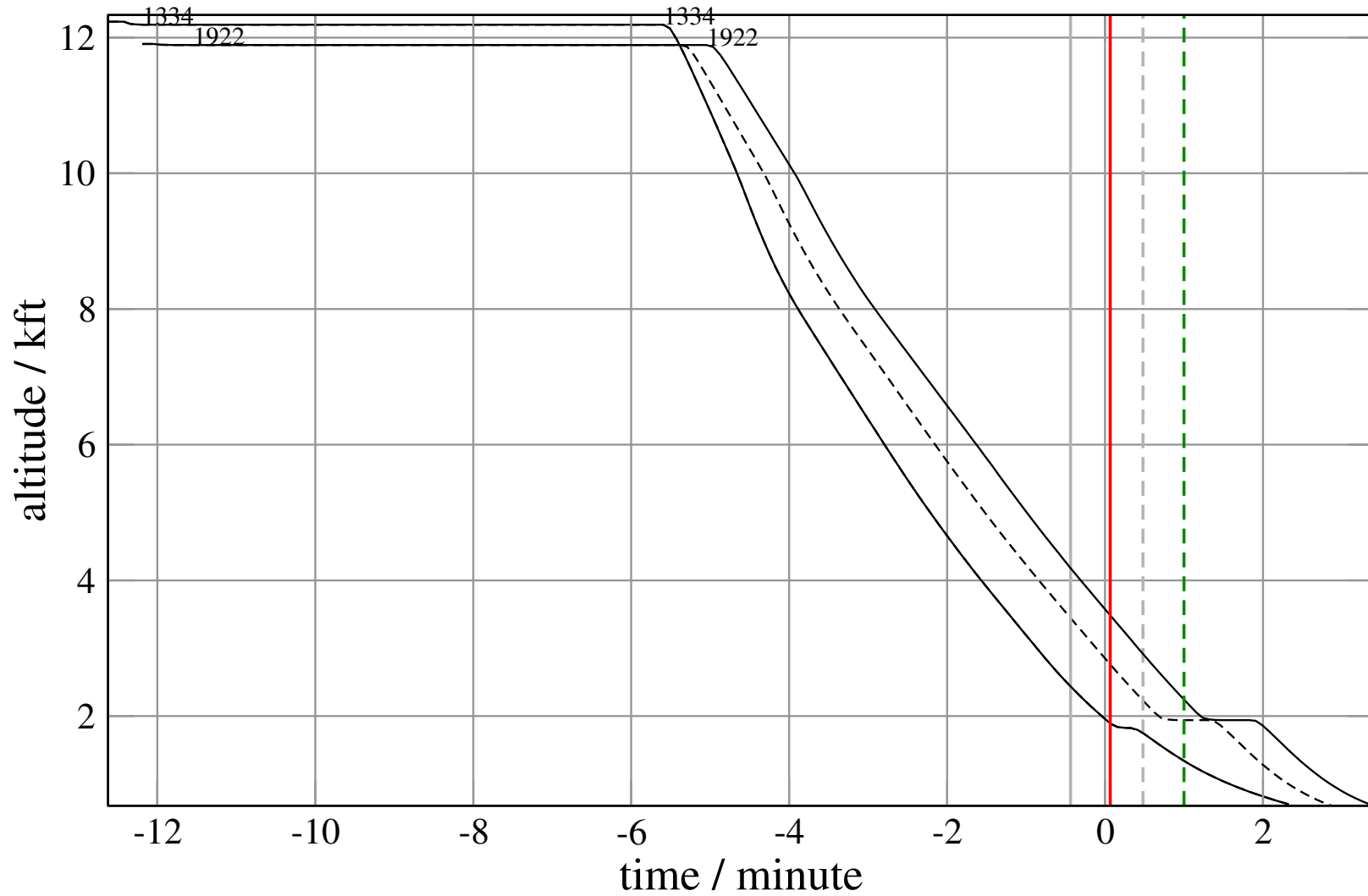
Maneuver Planview

+ A1922E-A1334E 0.601V->1.251V: A1922E speed dec 15 kn (+32 s) 1334-1922-32



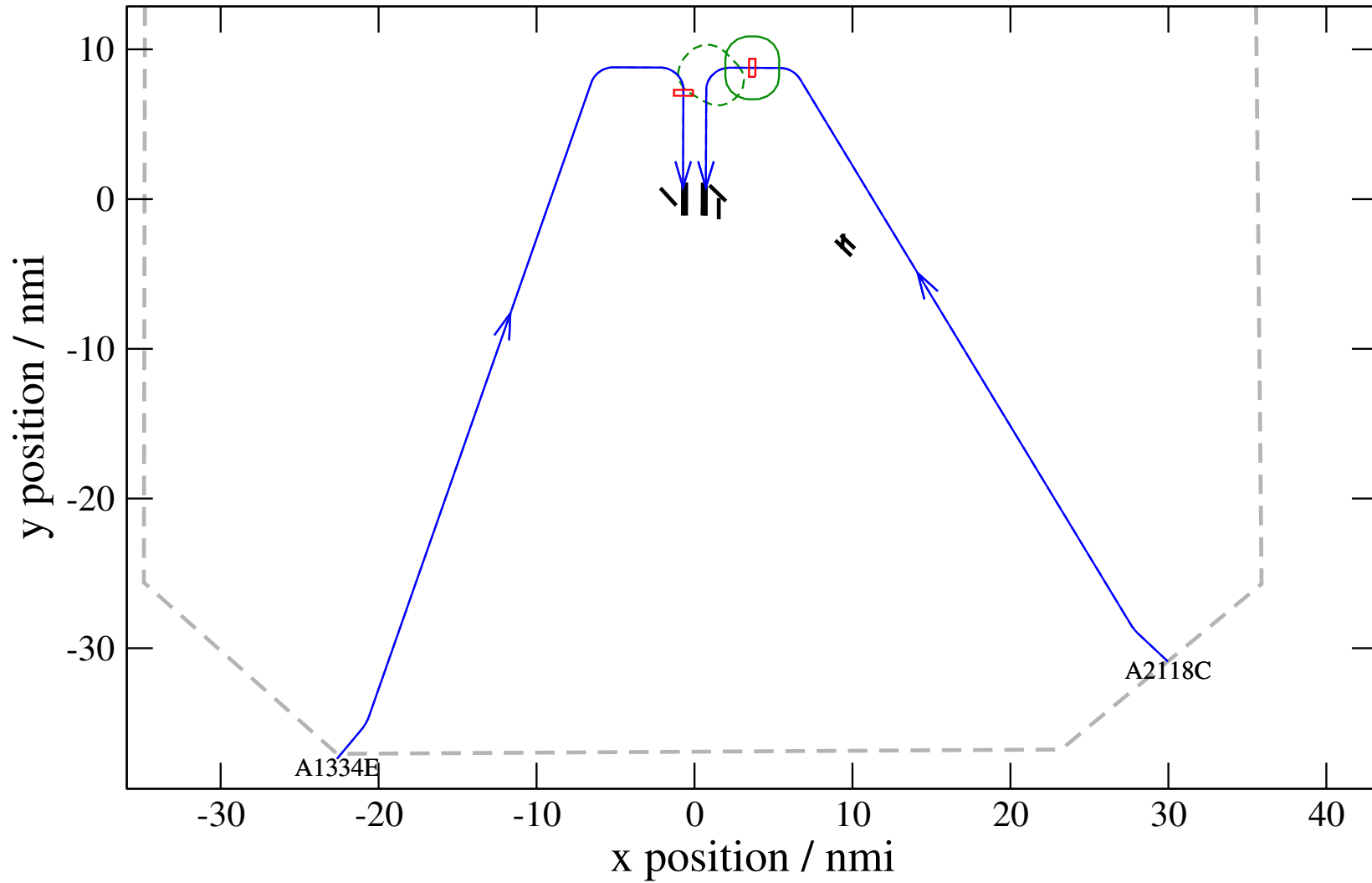
Maneuver Altitude Profiles

+ A1922E-A1334E 0.601V->1.251V: A1922E speed dec 15 kn (+32 s) 1334-1922-32



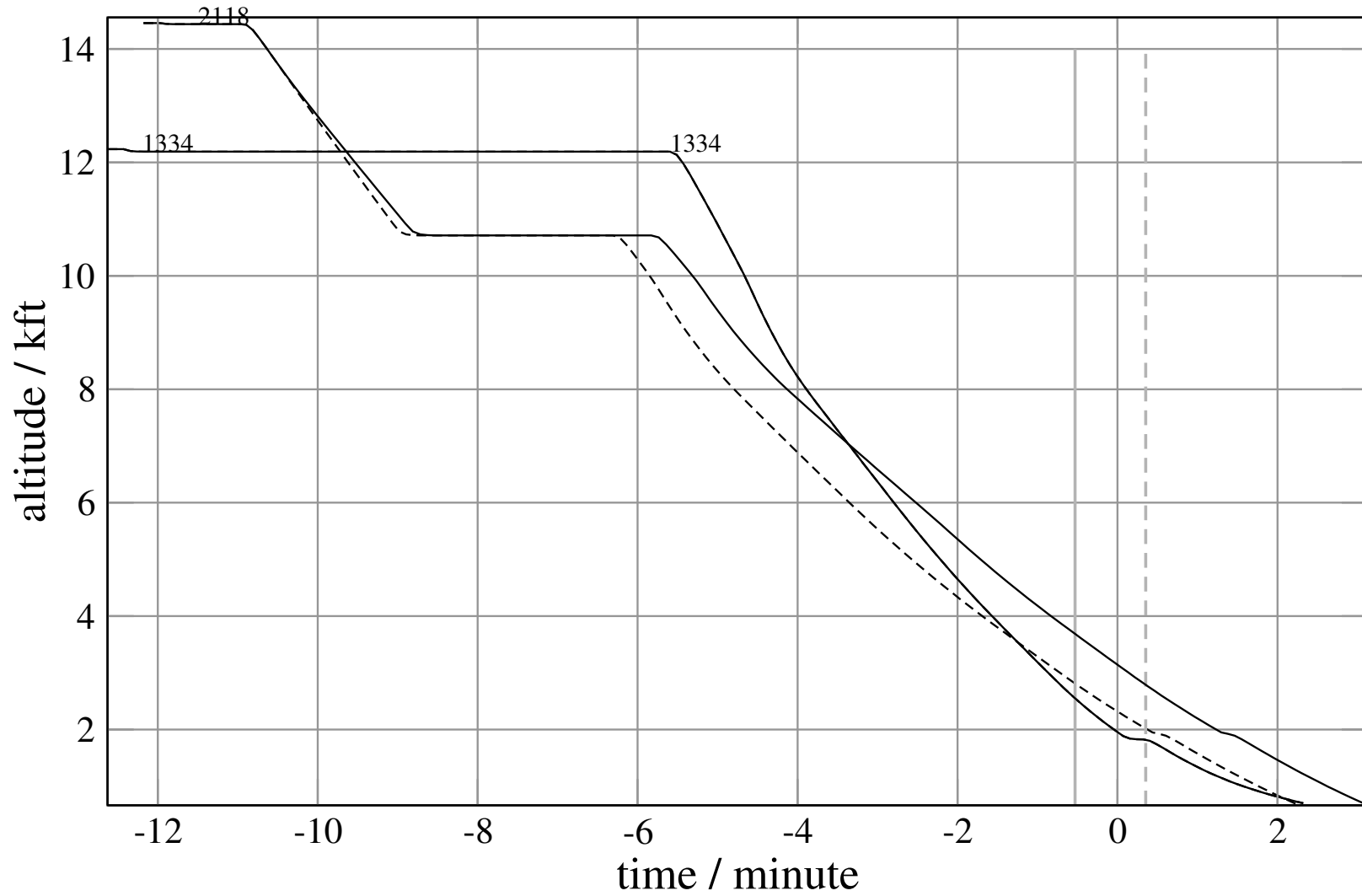
Maneuver Planview

+ A2118C-A1334E 0.411H->1.218H: A2118C speed dec 27 kn (+52 s) 2118-1334-30



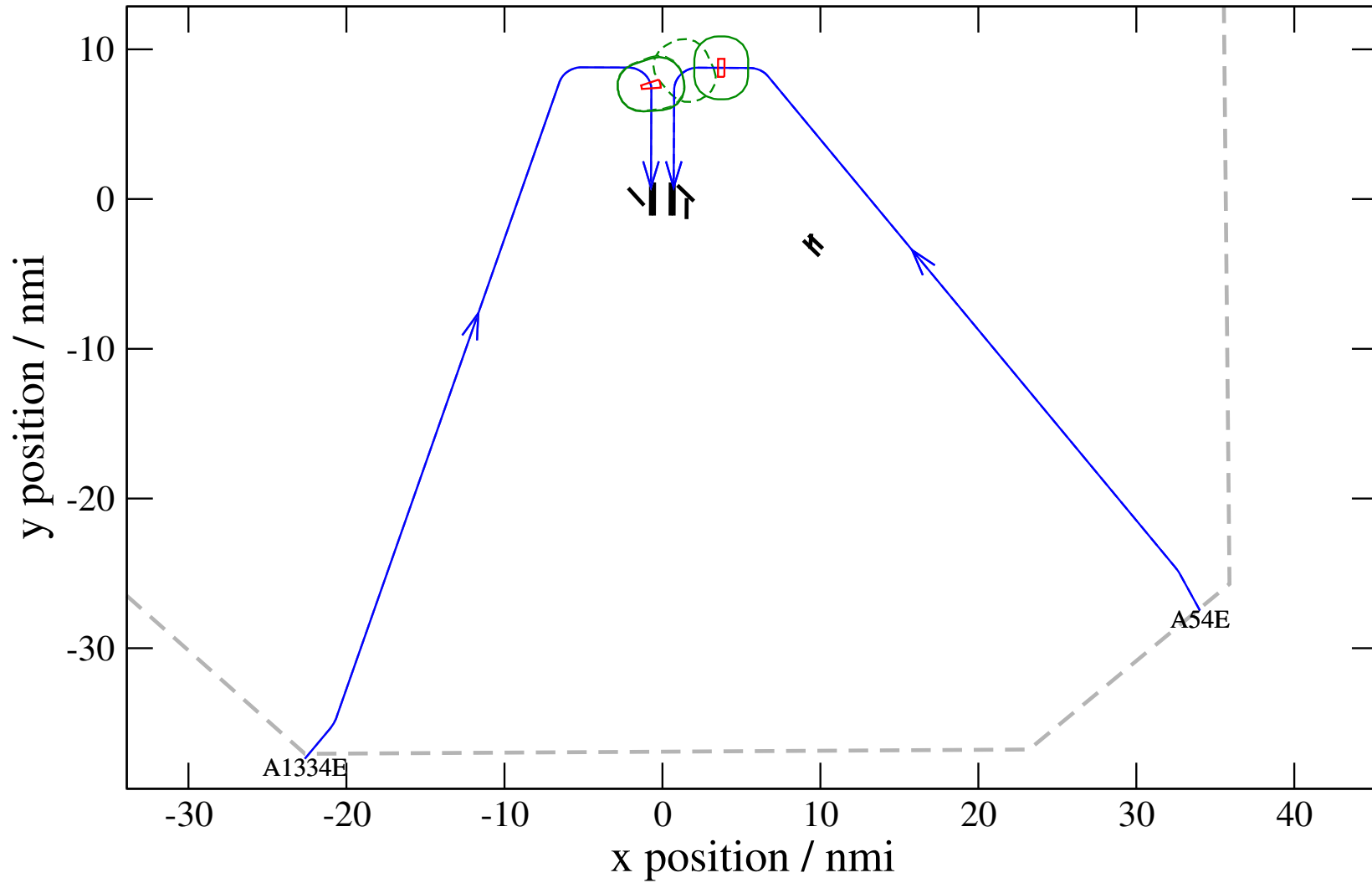
Maneuver Altitude Profiles

+ A2118C-A1334E 0.411H->1.218H: A2118C speed dec 27 kn (+52 s) 2118-1334-30



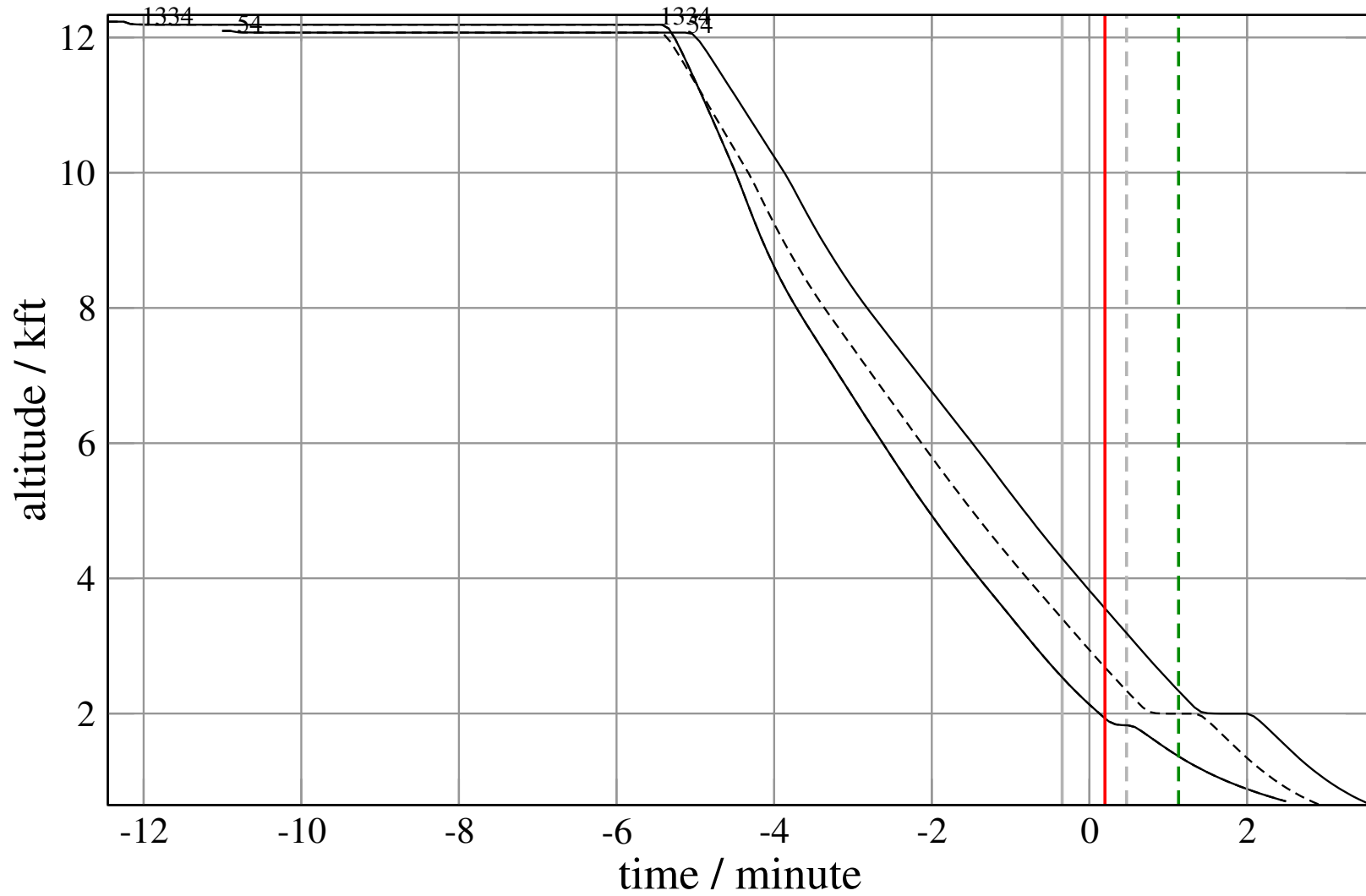
Maneuver Planview

+ A54E-A1334E 0.490V->1.276V: A54E speed dec 20 kn (+39 s) 54-1334-28



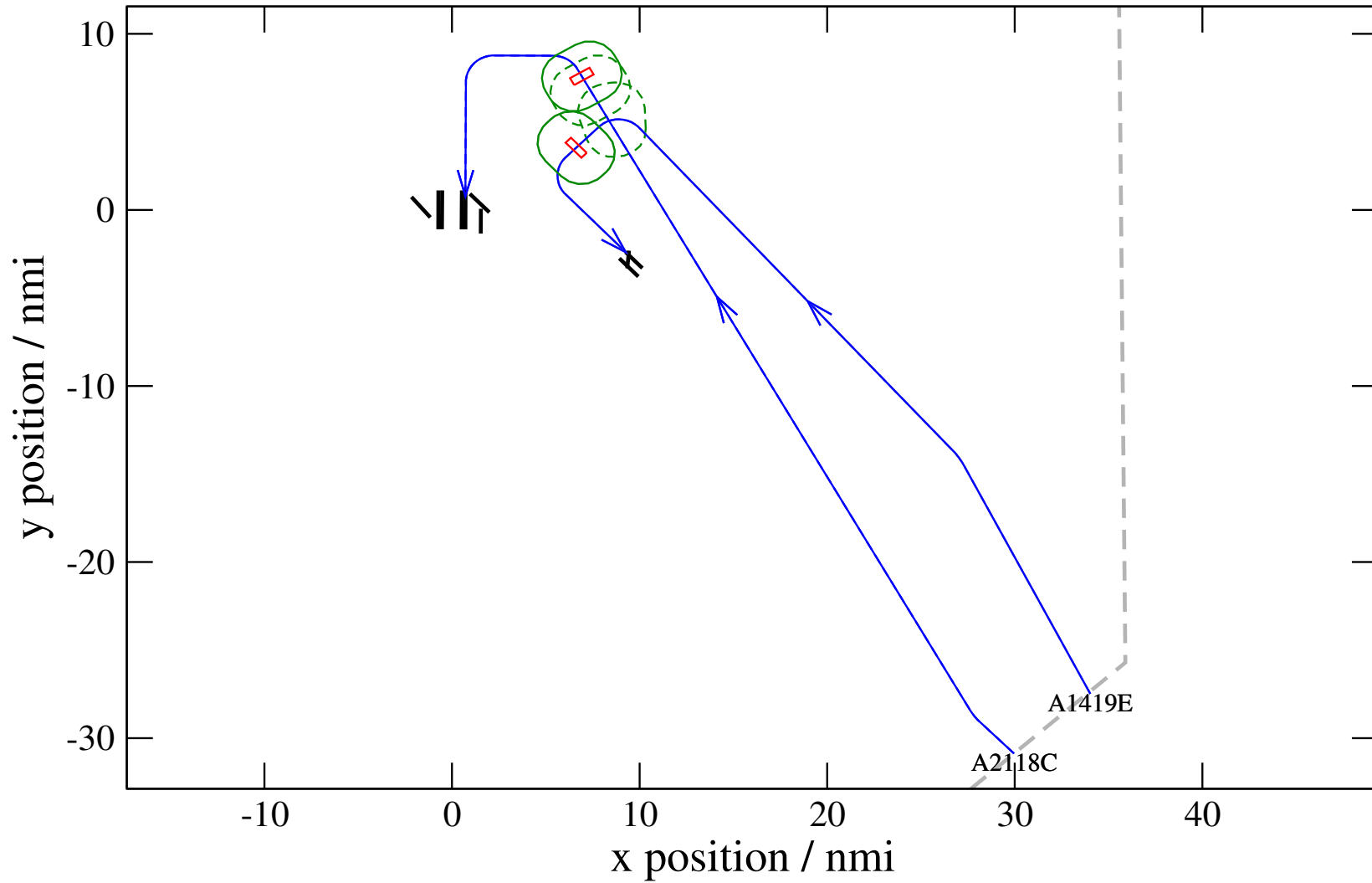
Maneuver Altitude Profiles

+ A54E-A1334E 0.490V->1.276V: A54E speed dec 20 kn (+39 s) 54-1334-28



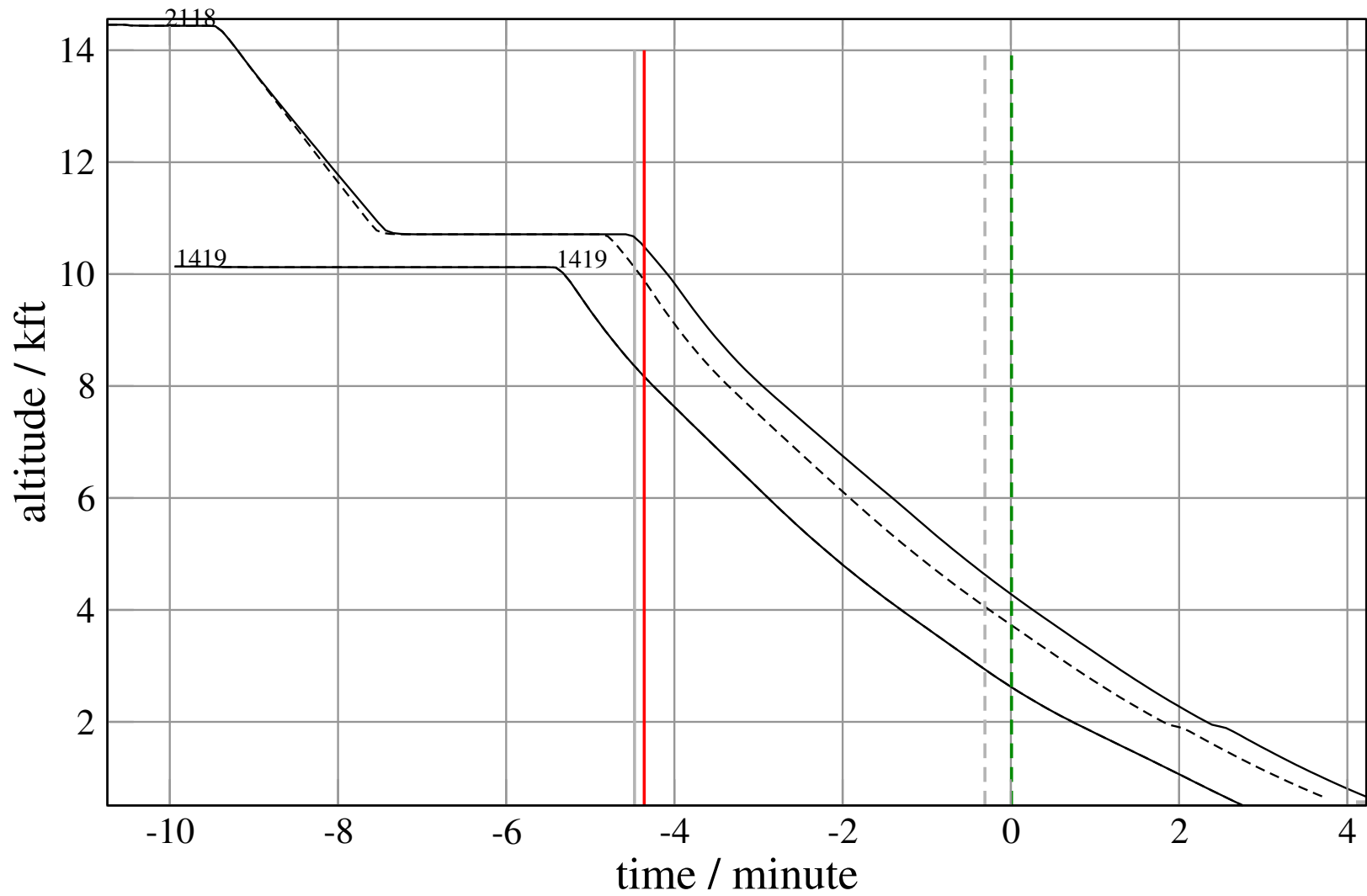
Maneuver Planview

+ A2118C-A1419E 0.616V->1.133V: A2118C speed dec 17 kn (+31 s) 2118-1419-28



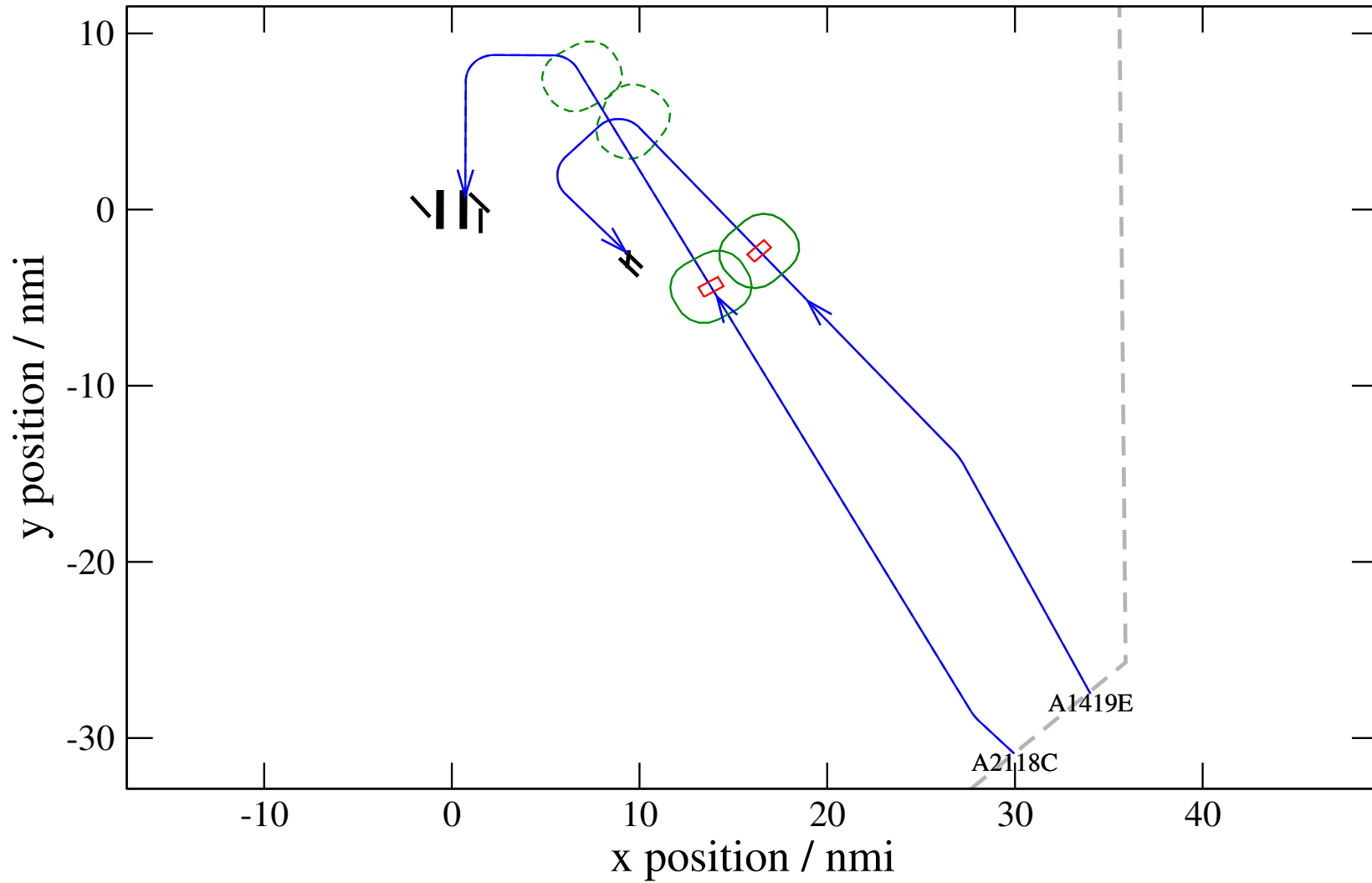
Maneuver Altitude Profiles

+ A2118C-A1419E 0.616V->1.133V: A2118C speed dec 17 kn (+31 s) 2118-1419-28



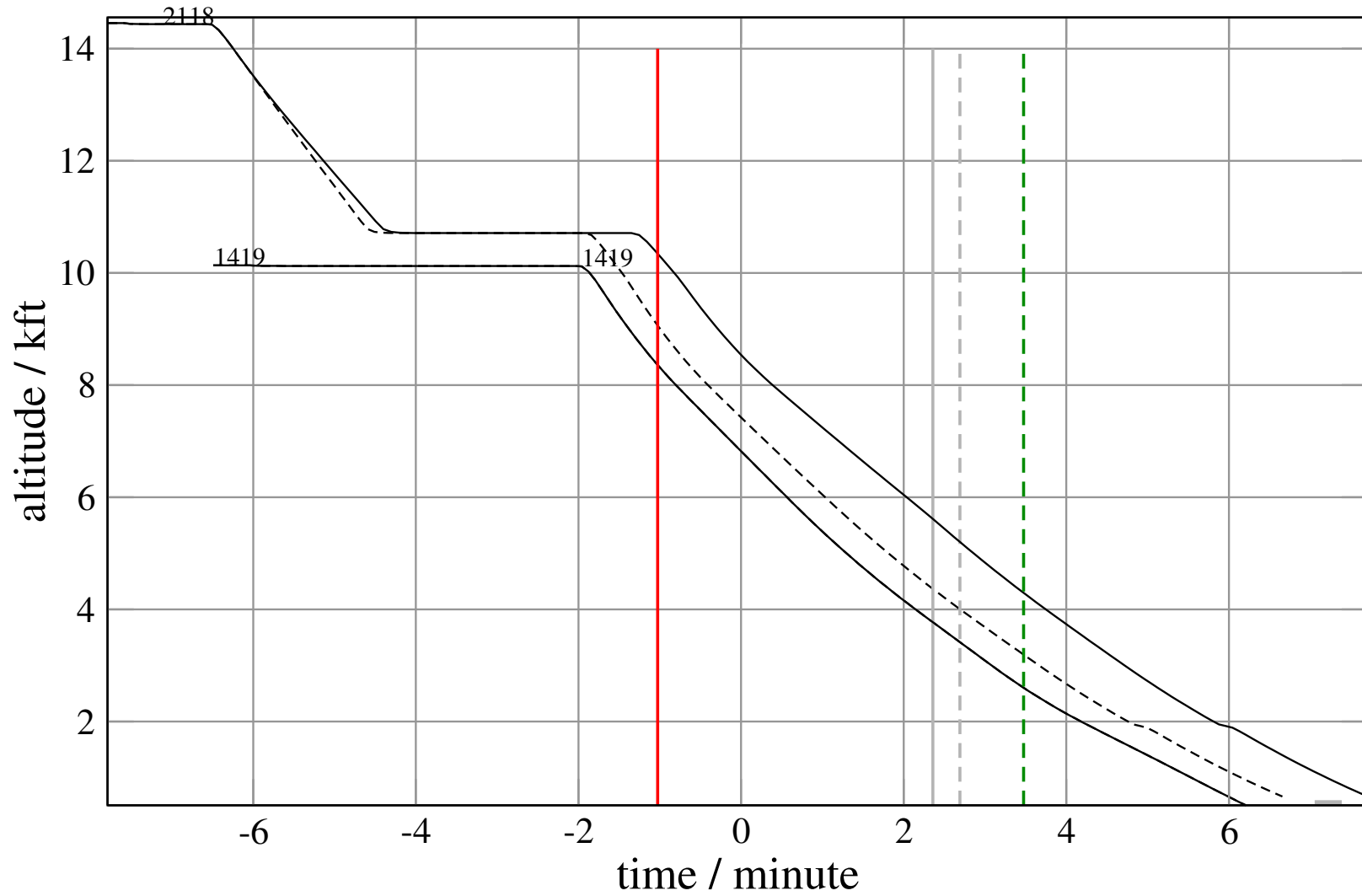
Maneuver Planview

+ A2118C-A1419E 0.967H->1.118V: A2118C speed dec 32 kn (+63 s) 2118-1419-29



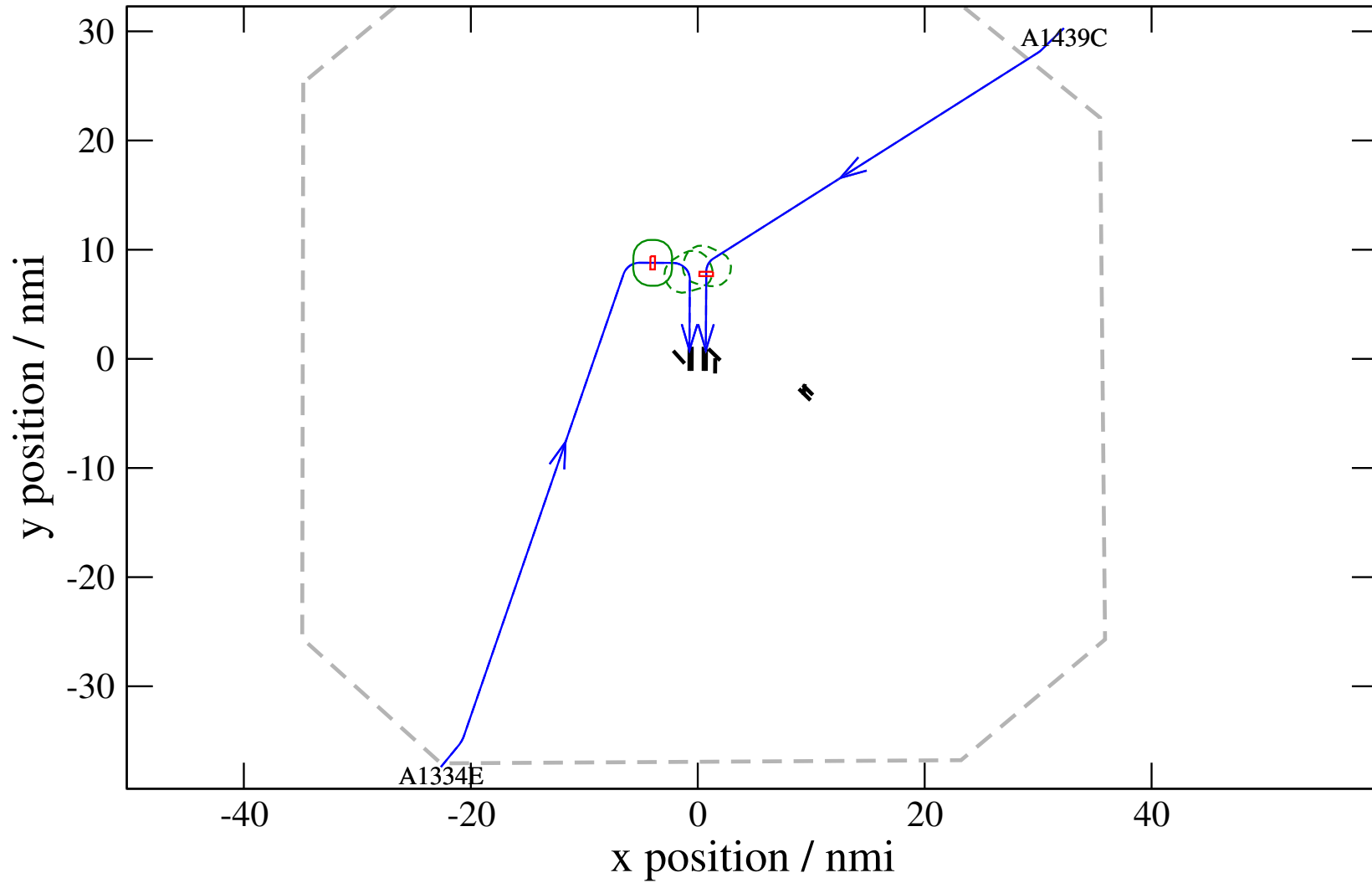
Maneuver Altitude Profiles

+ A2118C-A1419E 0.967H->1.118V: A2118C speed dec 32 kn (+63 s) 2118-1419-29



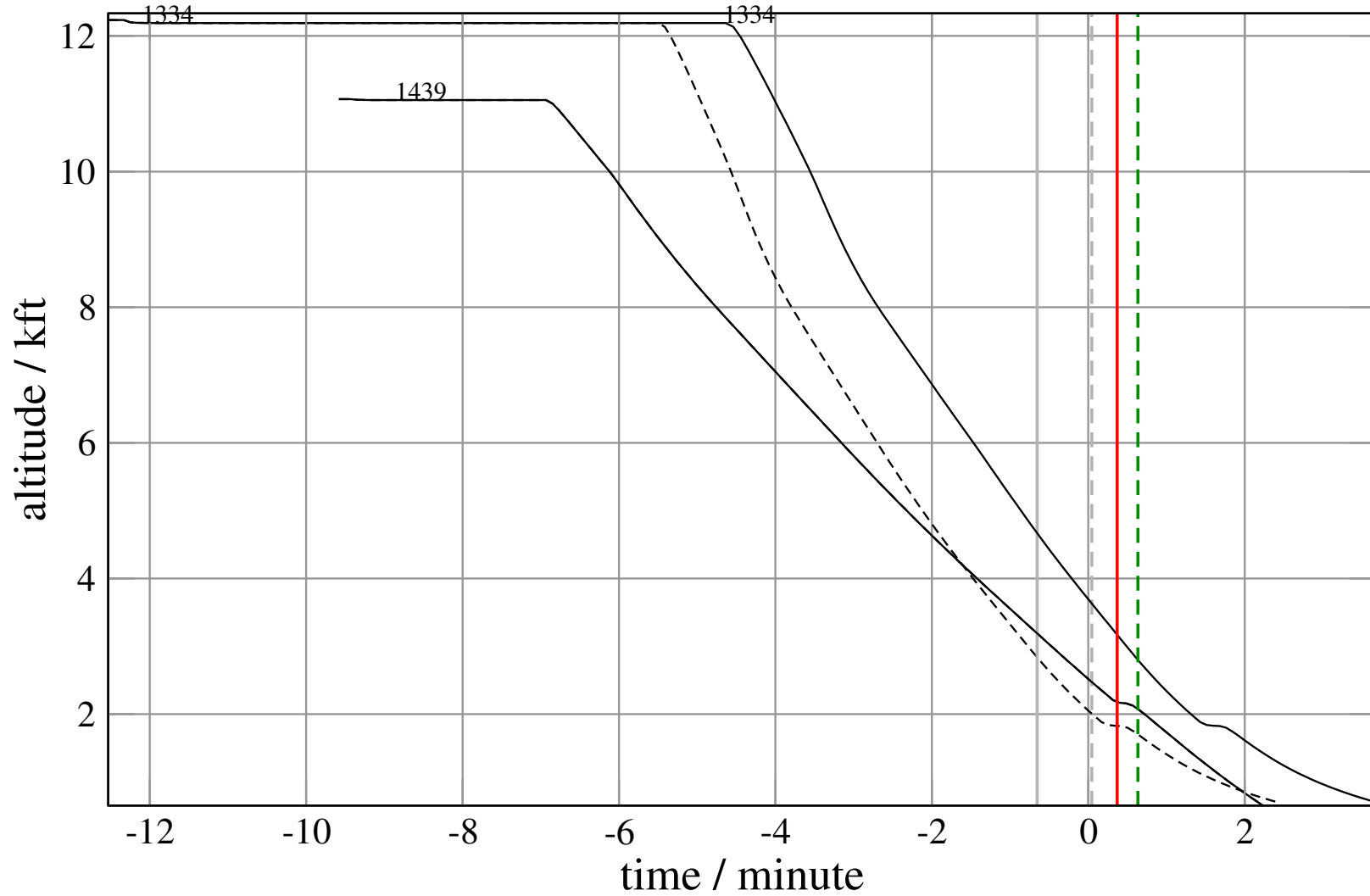
Maneuver Planview

+ A1334E-A1439C 0.210V->1.308H: A1334E speed dec 35 kn (+76 s) 1439-1334-25



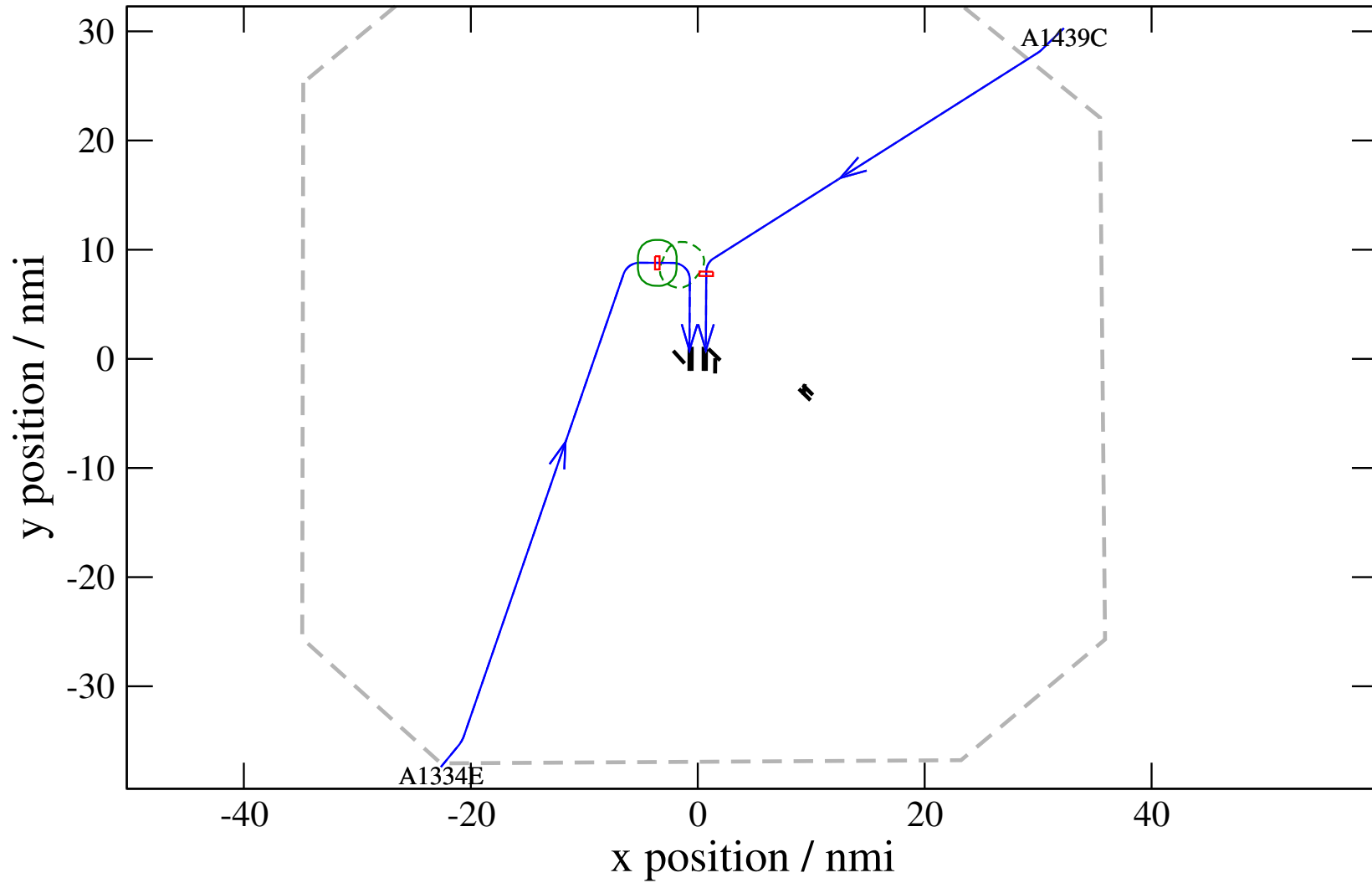
Maneuver Altitude Profiles

+ A1334E-A1439C 0.210V->1.308H: A1334E speed dec 35 kn (+76 s) 1439-1334-25



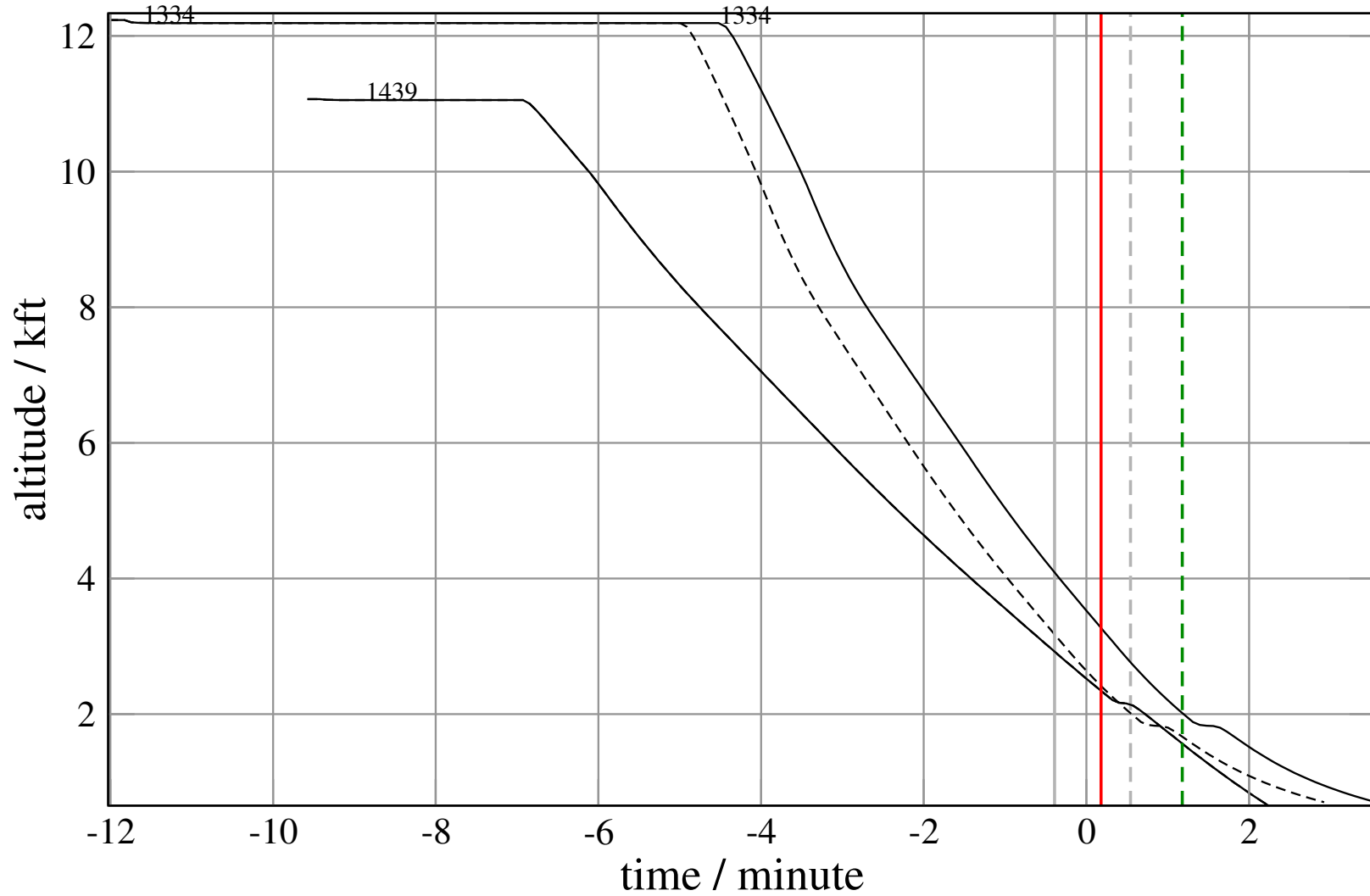
Maneuver Planview

+ A1334E-A1439C 0.476H->1.173H: A1334E speed dec 20 kn (+38 s) 1439-1334-26



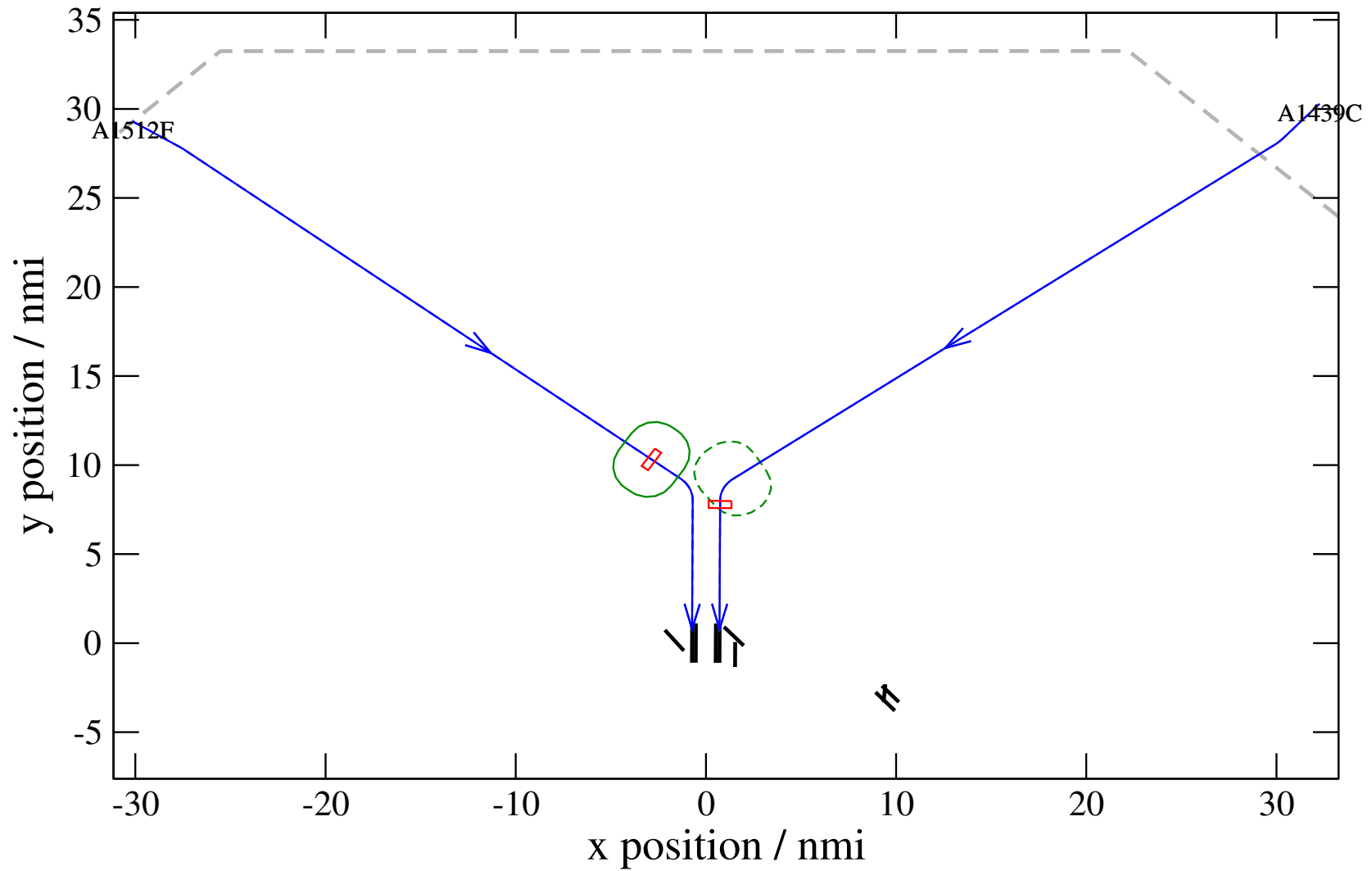
Maneuver Altitude Profiles

+ A1334E-A1439C 0.476H->1.173H: A1334E speed dec 20 kn (+38 s) 1439-1334-26



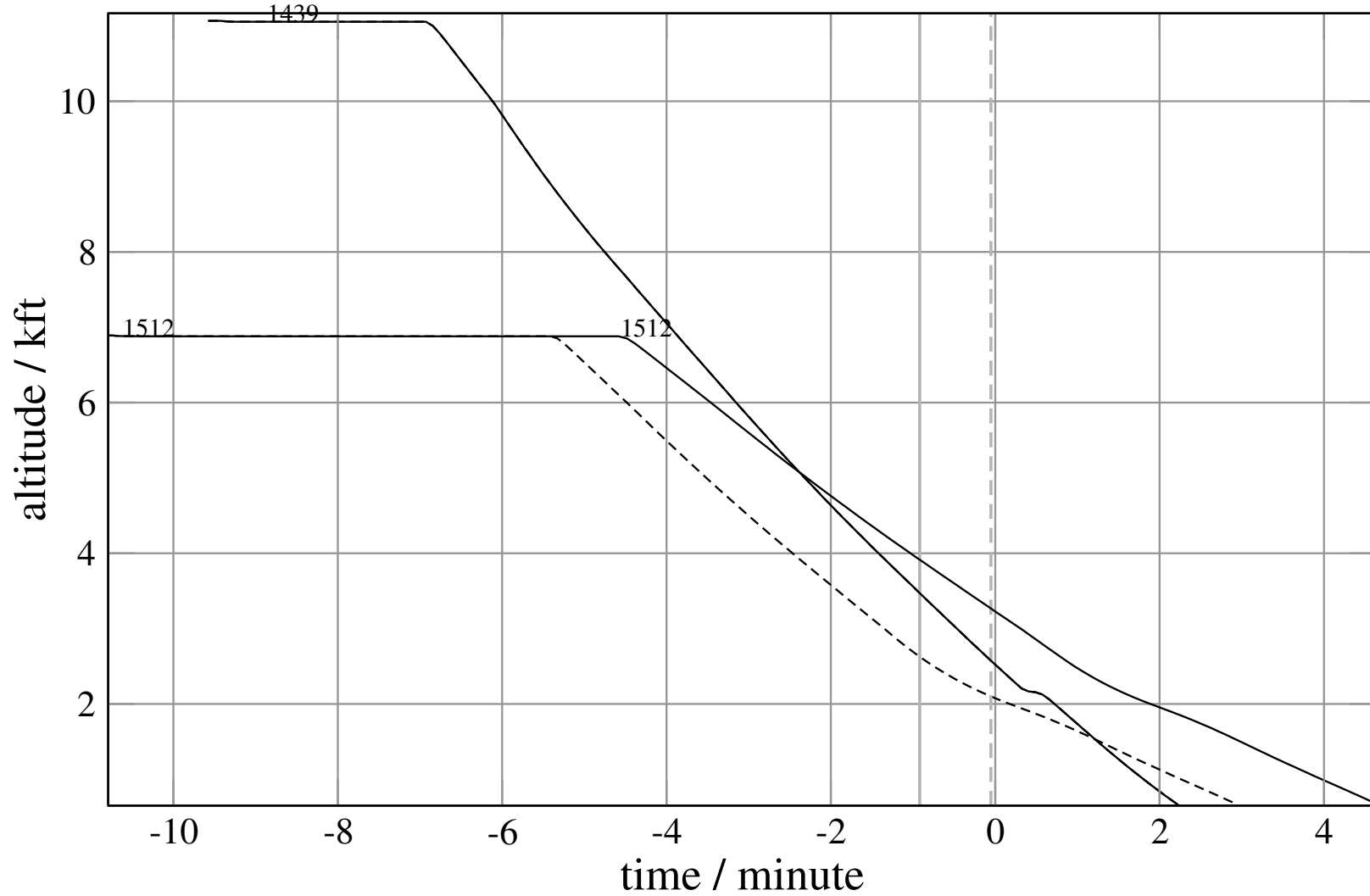
Maneuver Planview

+ A1512F-A1439C 0.585H->1.198H: A1512F speed dec 35 kn (+103 s) 1439-1512-26



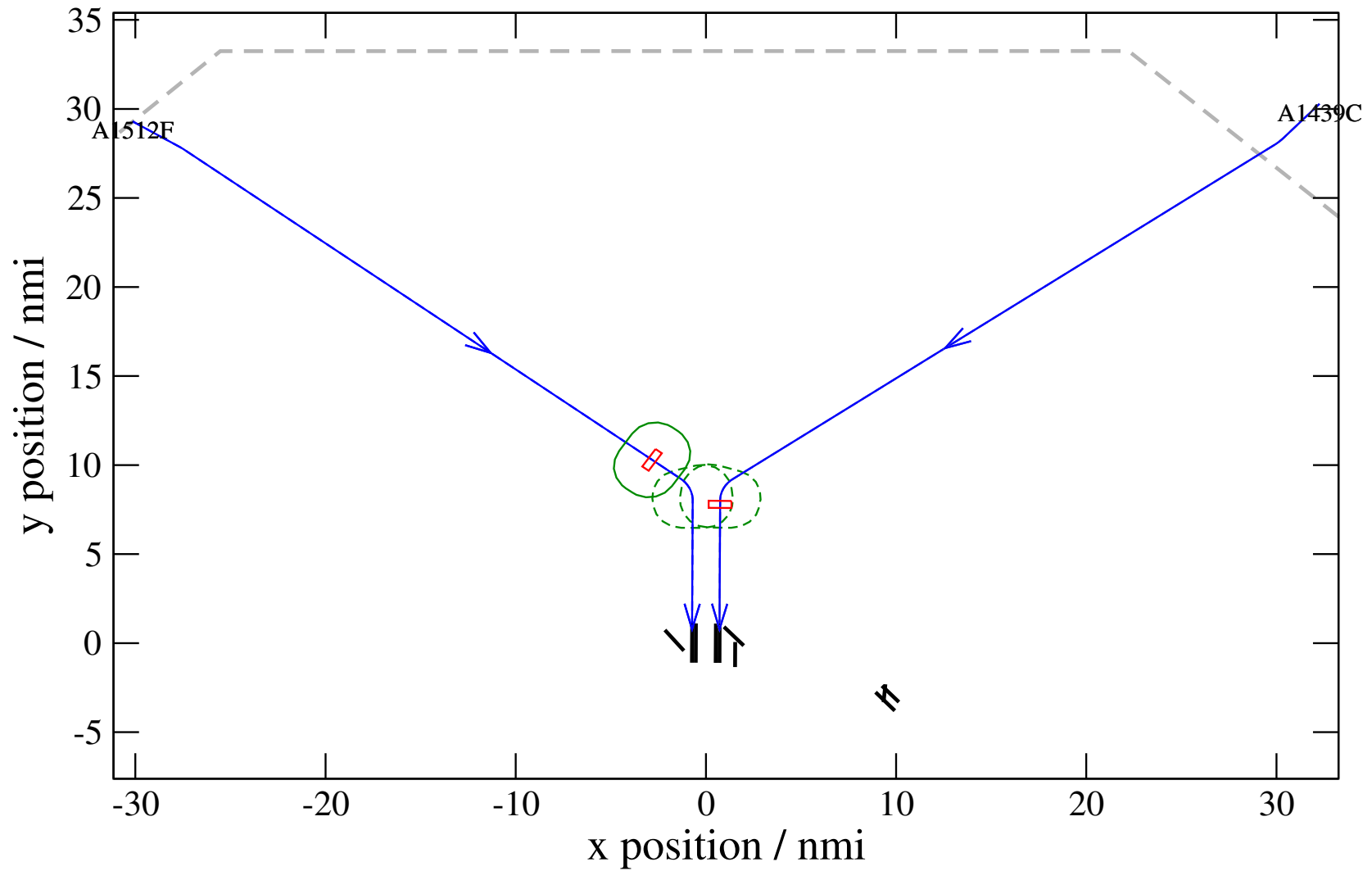
Maneuver Altitude Profiles

+ A1512F-A1439C 0.585H->1.198H: A1512F speed dec 35 kn (+103 s) 1439-1512-26



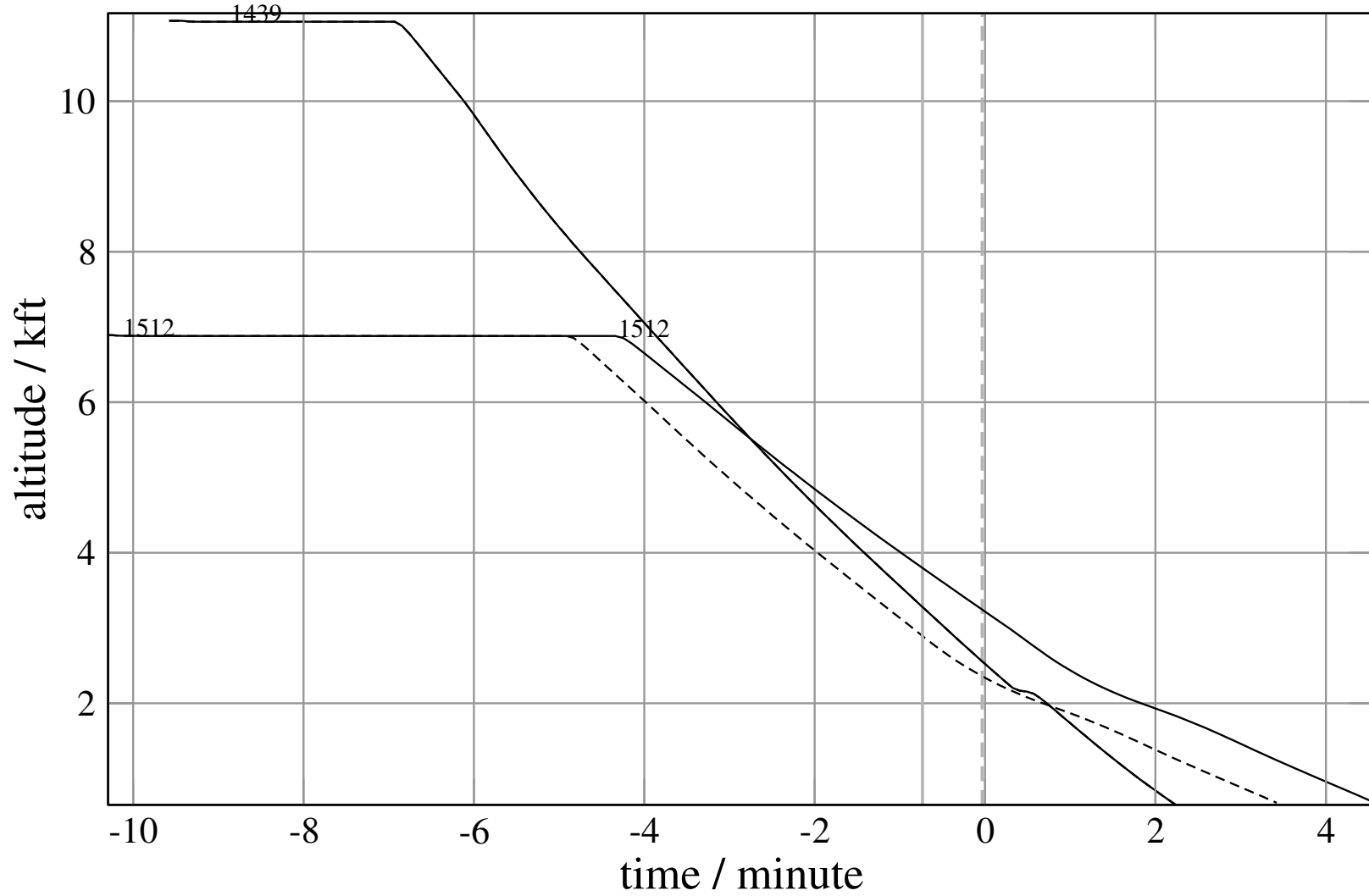
Maneuver Planview

+ A1512F-A1439C 0.131V->1.183H: A1512F speed dec 25 kn (+69 s) 1439-1512-27



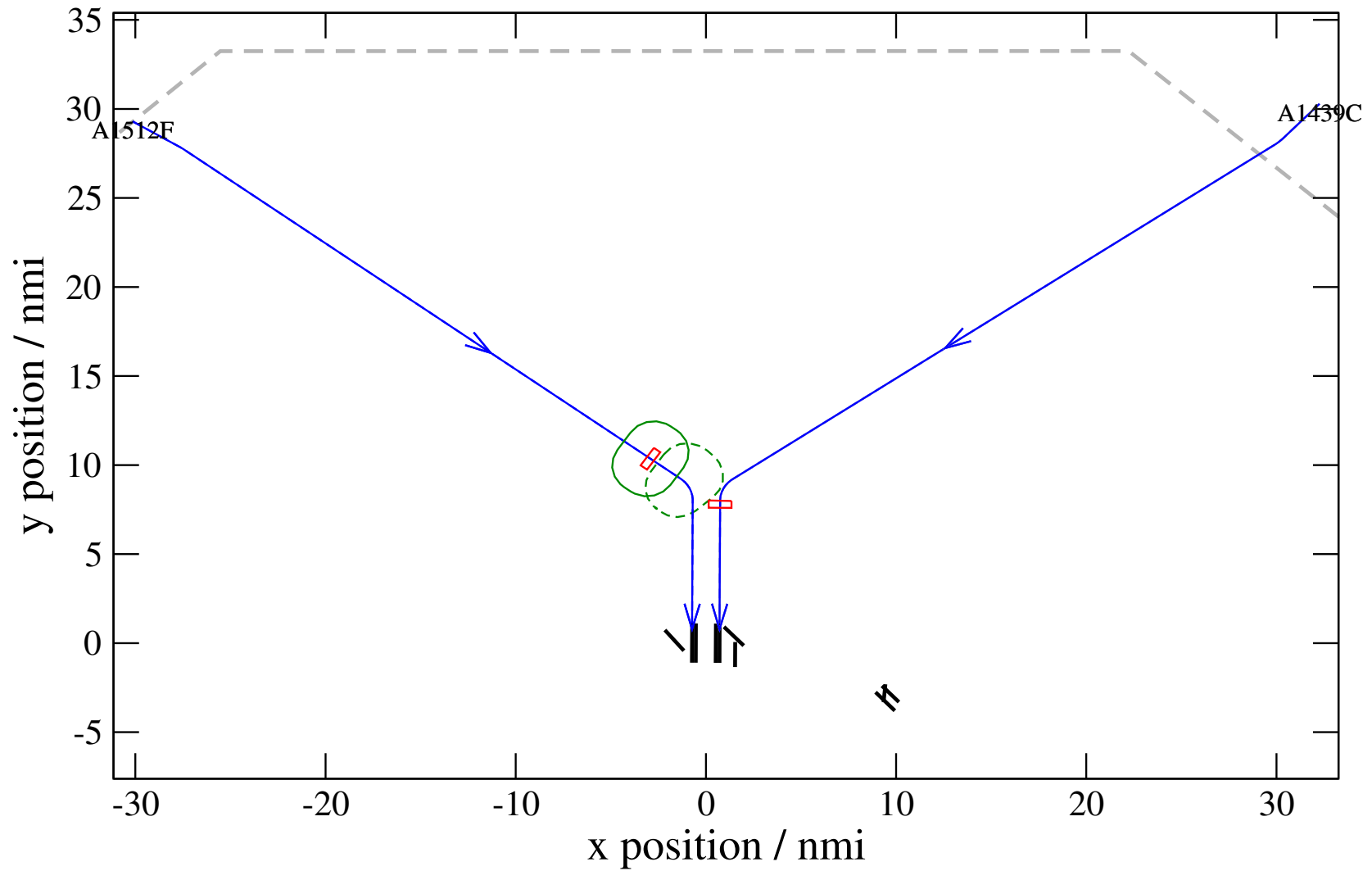
Maneuver Altitude Profiles

+ A1512F-A1439C 0.131V->1.183H: A1512F speed dec 25 kn (+69 s) 1439-1512-27



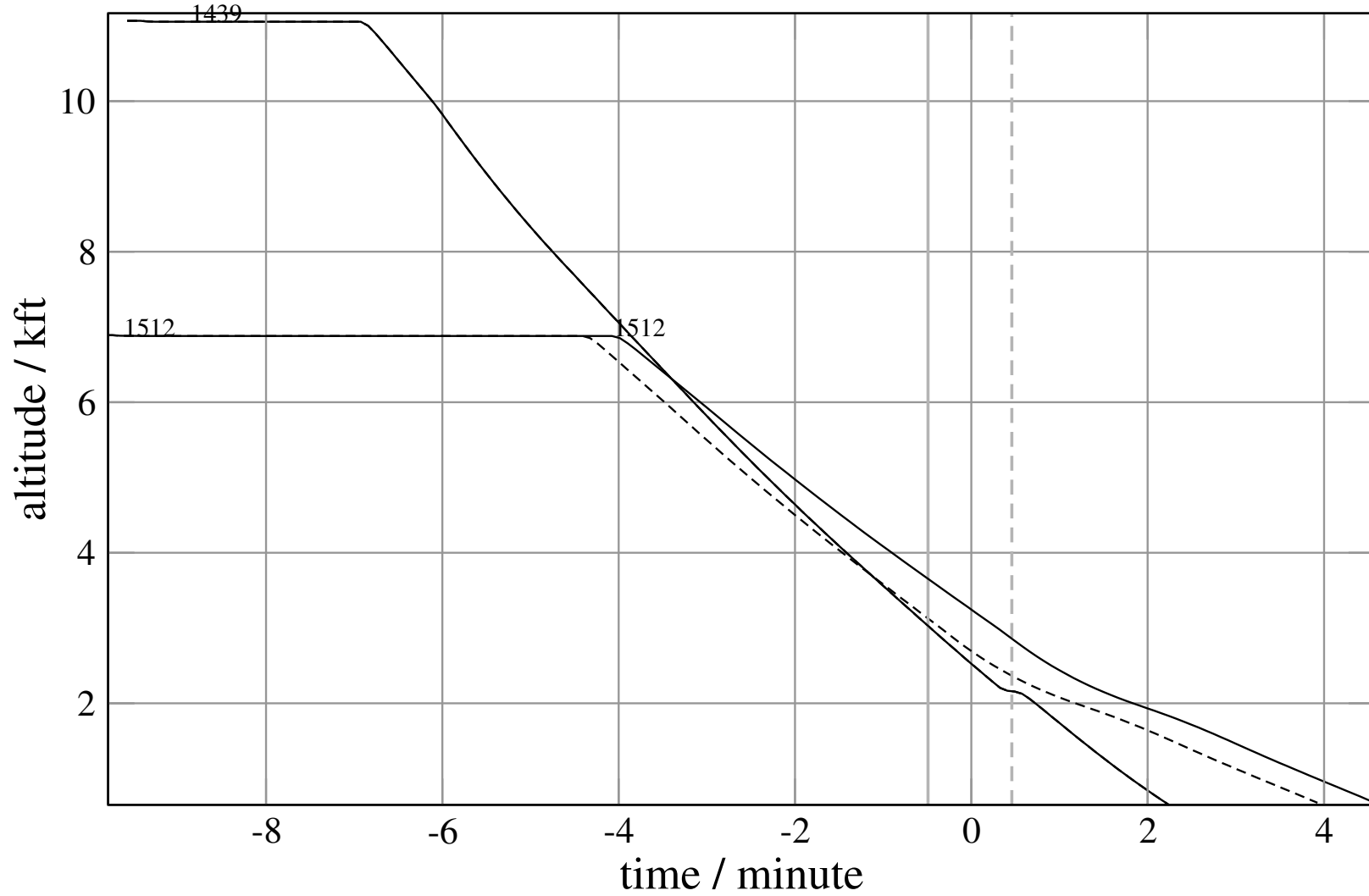
Maneuver Planview

+ A1512F-A1439C 0.504H->1.217H: A1512F speed dec 15 kn (+39 s) 1439-1512-28



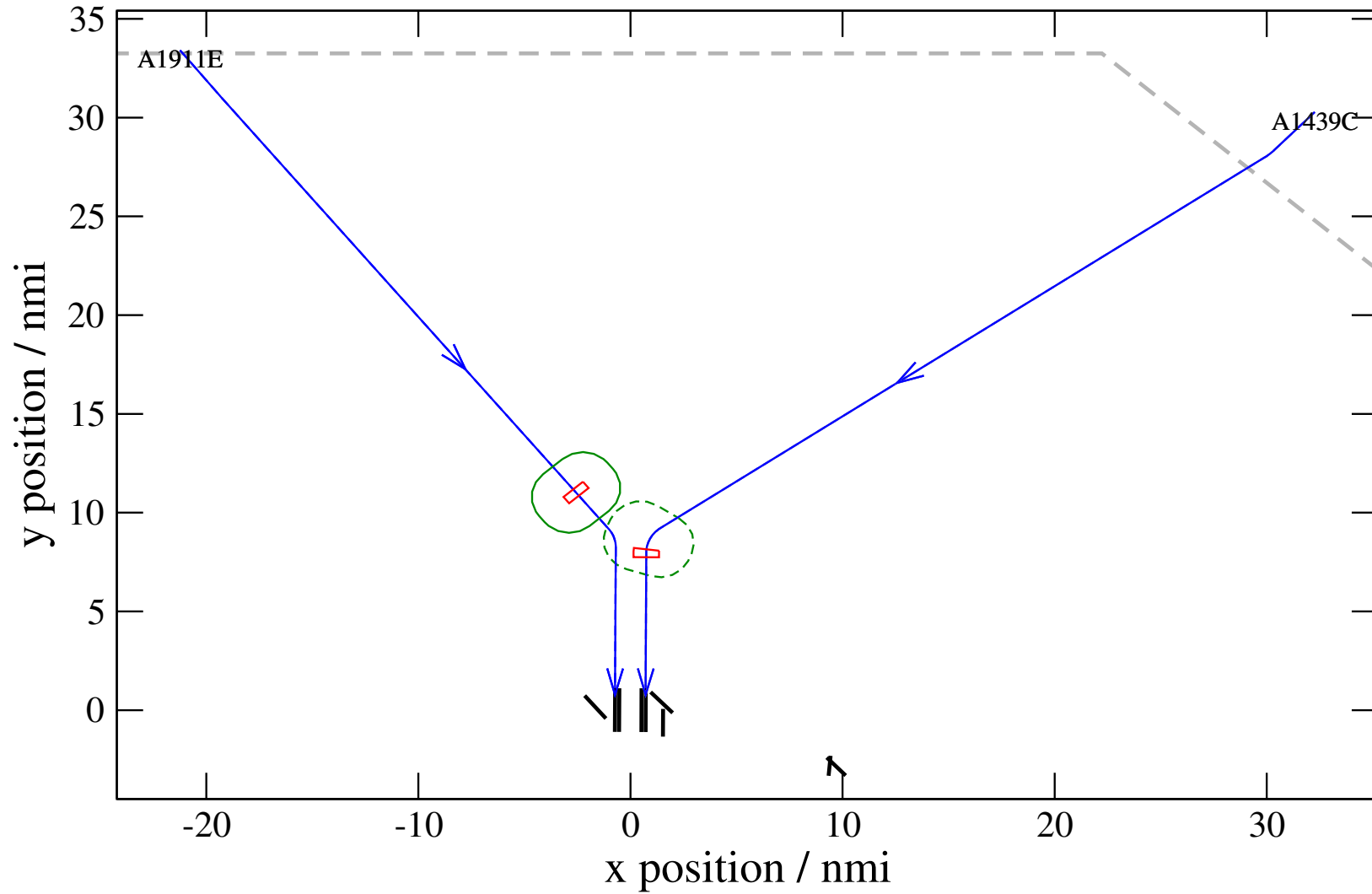
Maneuver Altitude Profiles

+ A1512F-A1439C 0.504H->1.217H: A1512F speed dec 15 kn (+39 s) 1439-1512-28



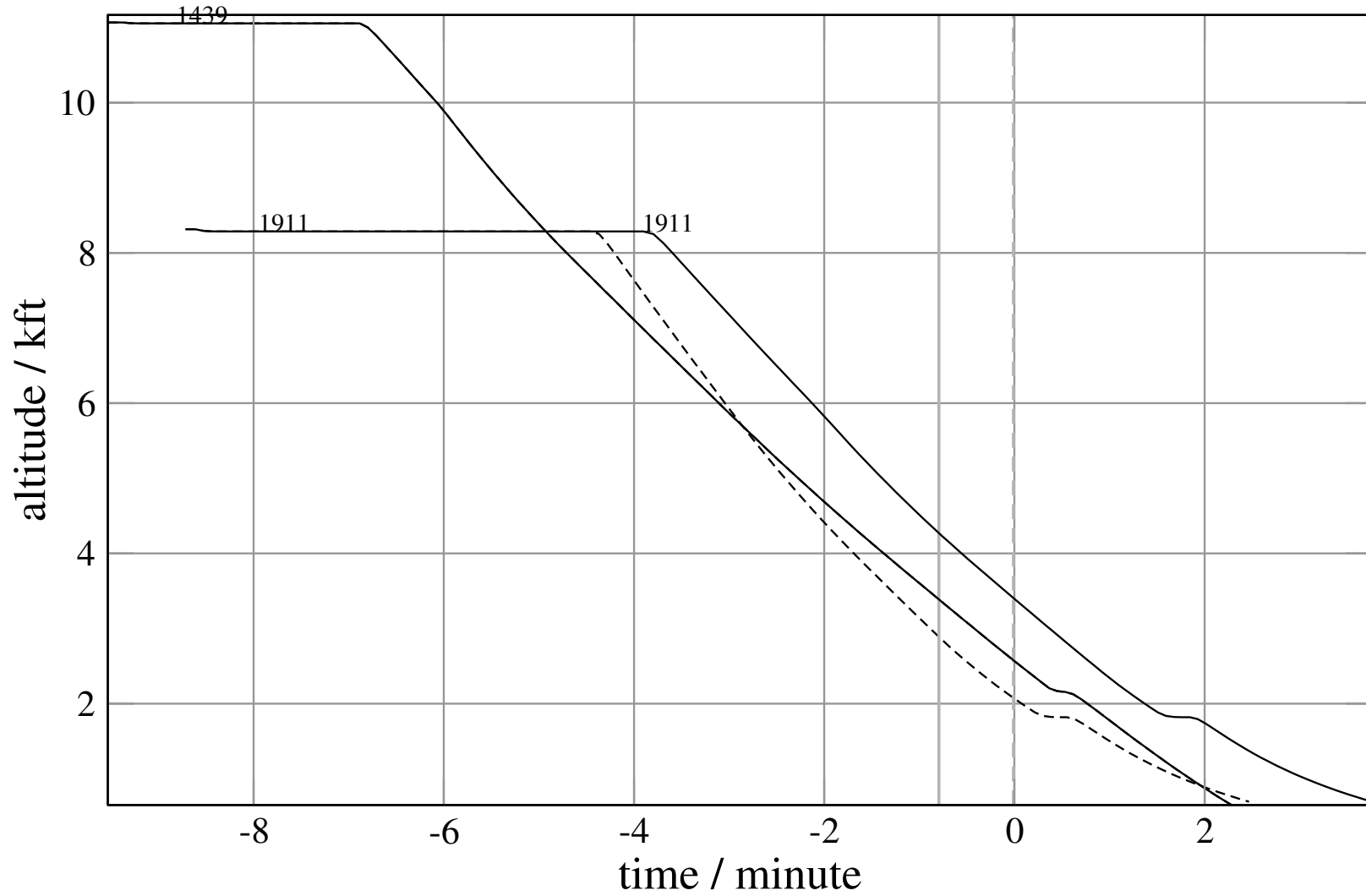
Maneuver Planview

+ A1911E-A1439C 0.350V->1.233H: A1911E speed dec 50 kn (+78 s) 1439-1911-25



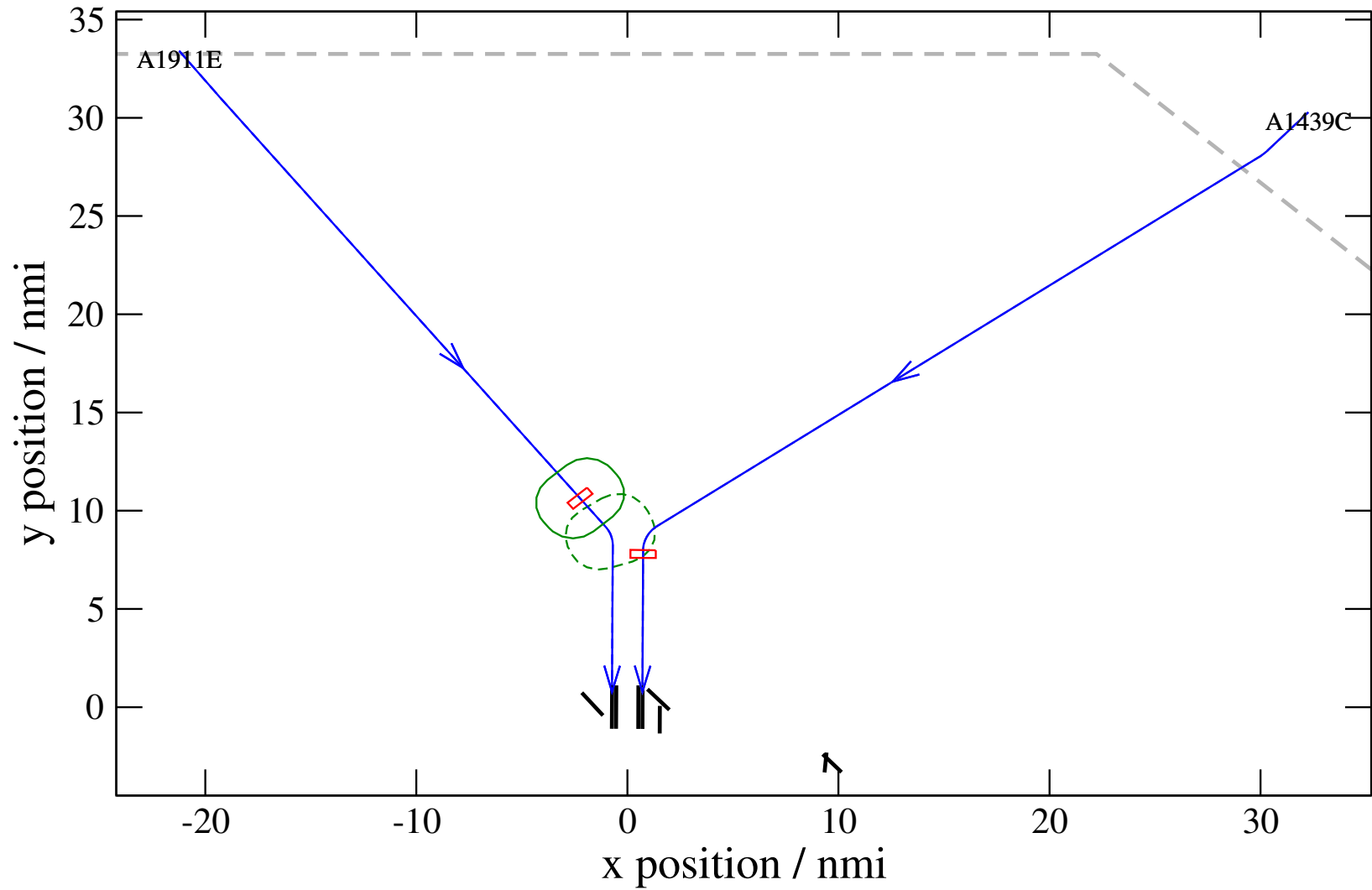
Maneuver Altitude Profiles

+ A1911E-A1439C 0.350V->1.233H: A1911E speed dec 50 kn (+78 s) 1439-1911-25



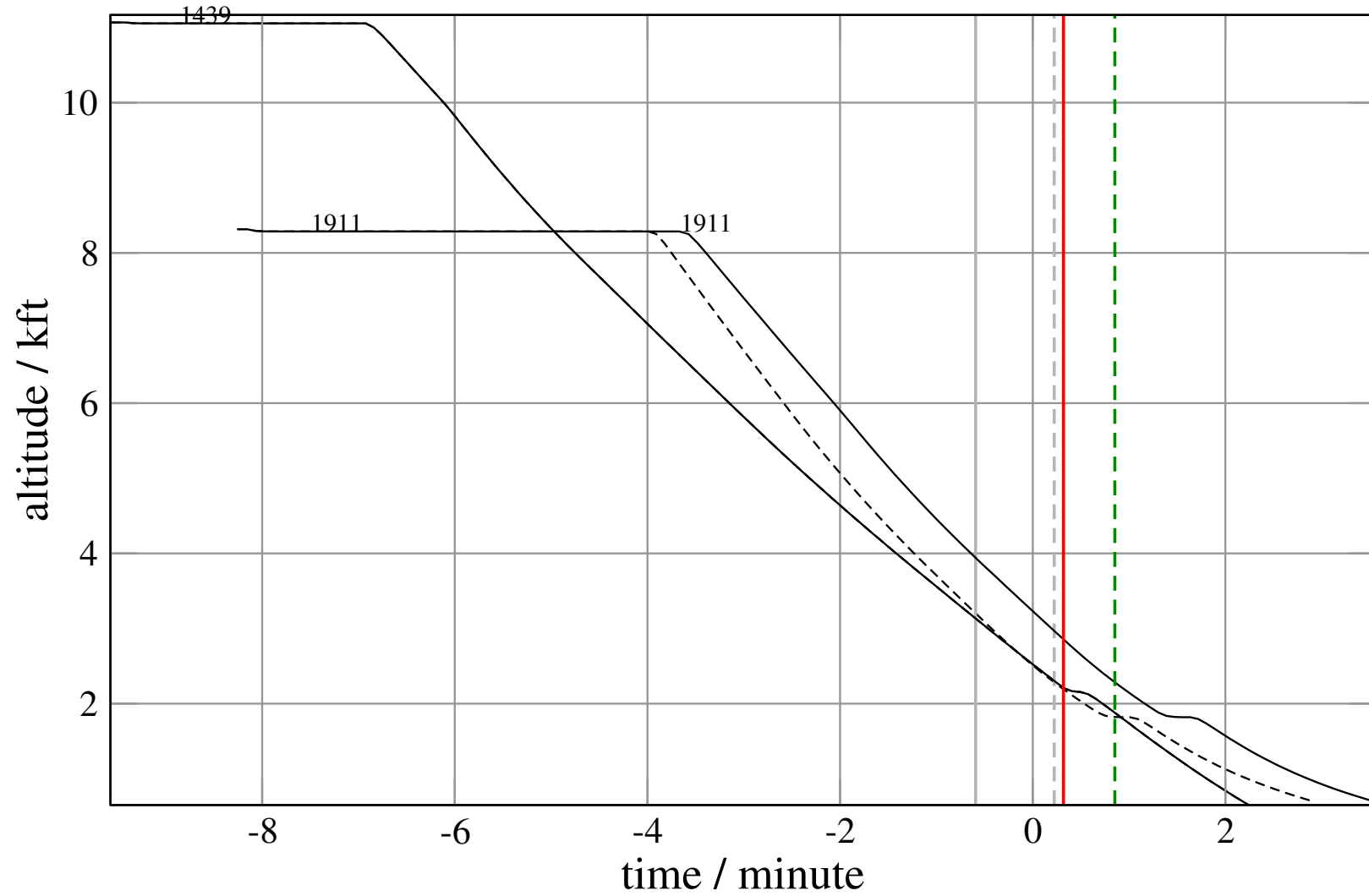
Maneuver Planview

+ A1911E-A1439C 0.311H->1.114H: A1911E speed dec 30 kn (+38 s) 1439-1911-26



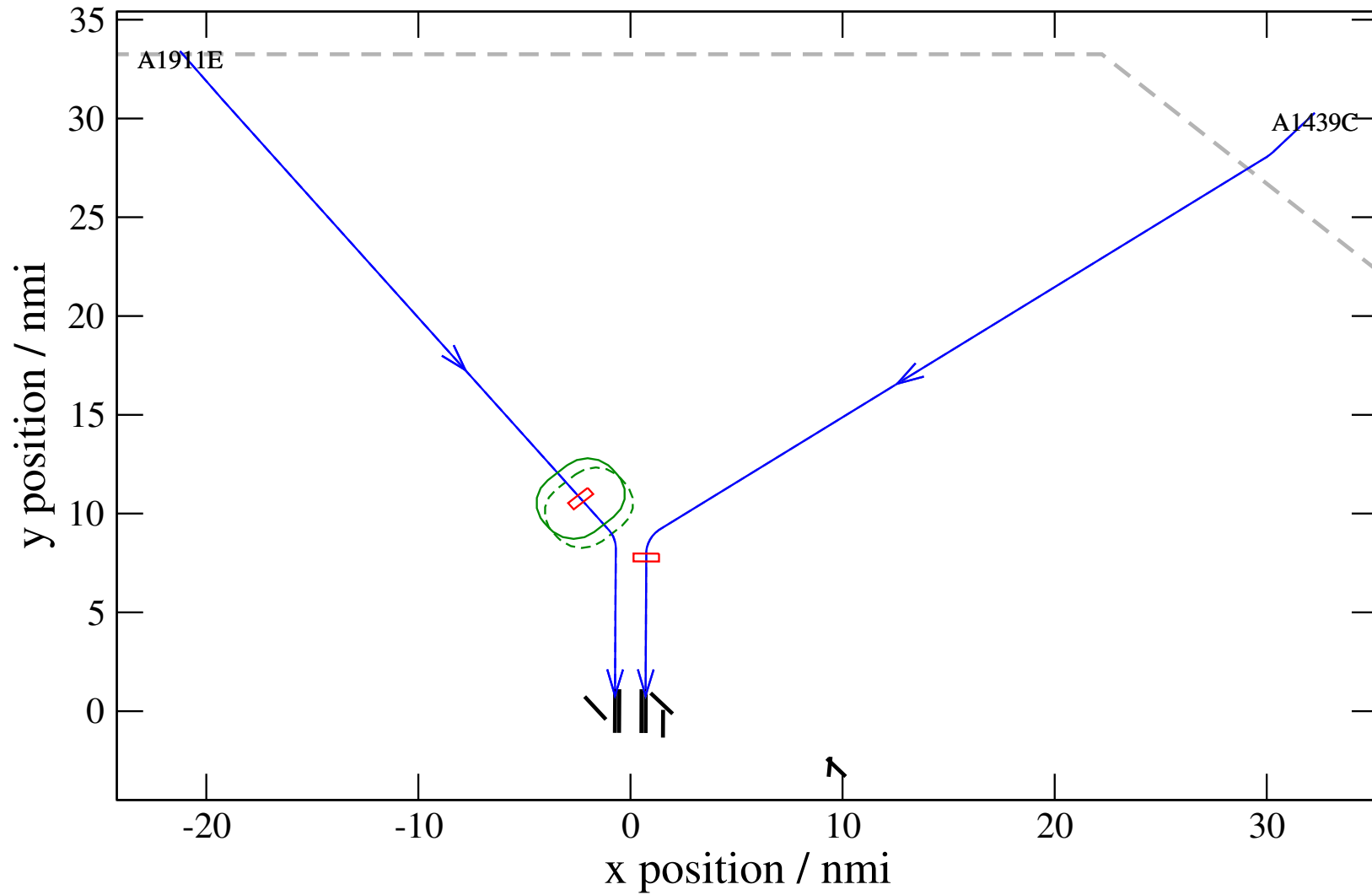
Maneuver Altitude Profiles

+ A1911E-A1439C 0.311H->1.114H: A1911E speed dec 30 kn (+38 s) 1439-1911-26



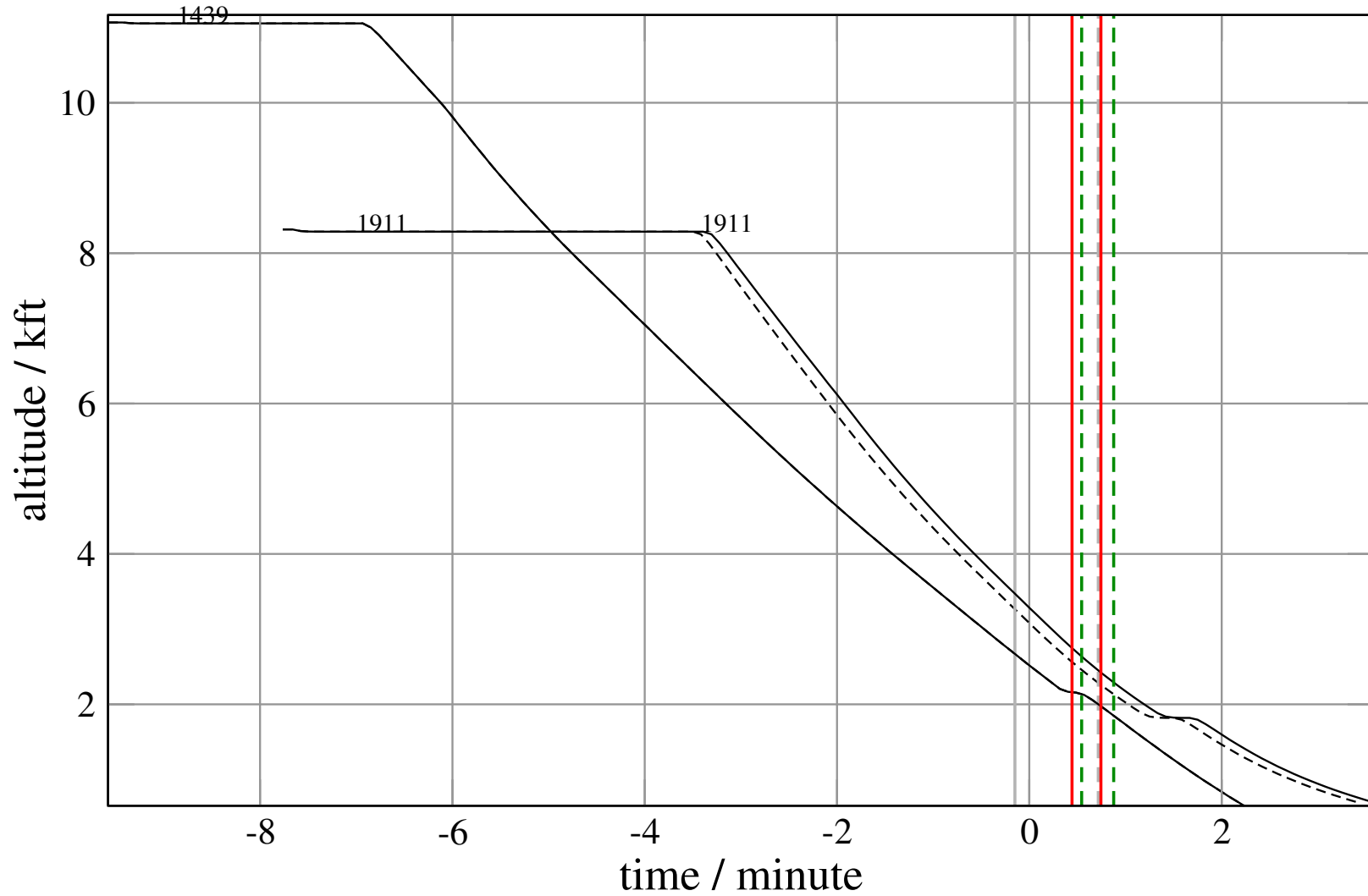
Maneuver Planview

+ A1911E-A1439C 0.967H->1.176H: A1911E speed dec 10 kn (+10 s) 1439-1911-27



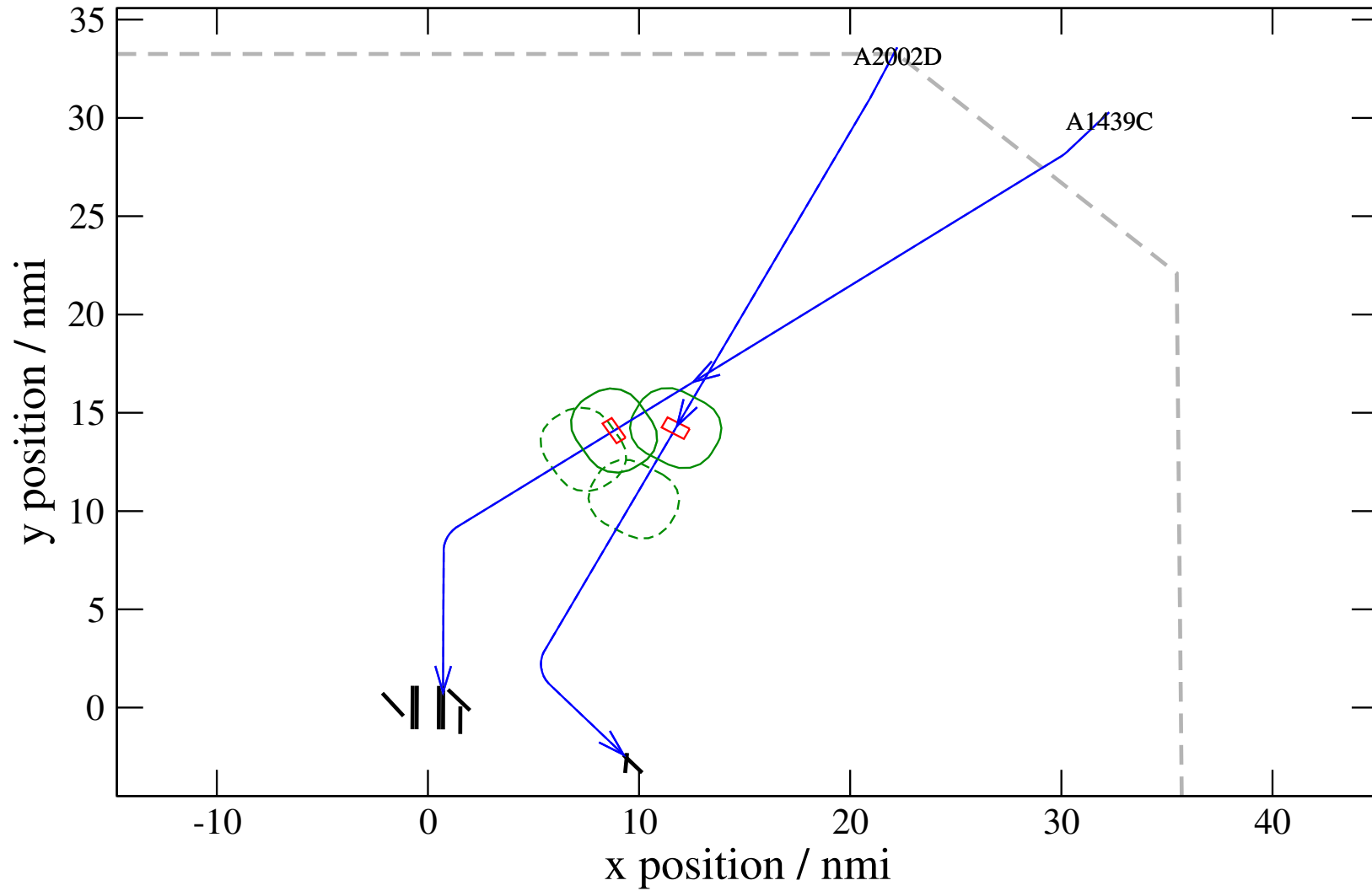
Maneuver Altitude Profiles

+ A1911E-A1439C 0.967H->1.176H: A1911E speed dec 10 kn (+10 s) 1439-1911-27



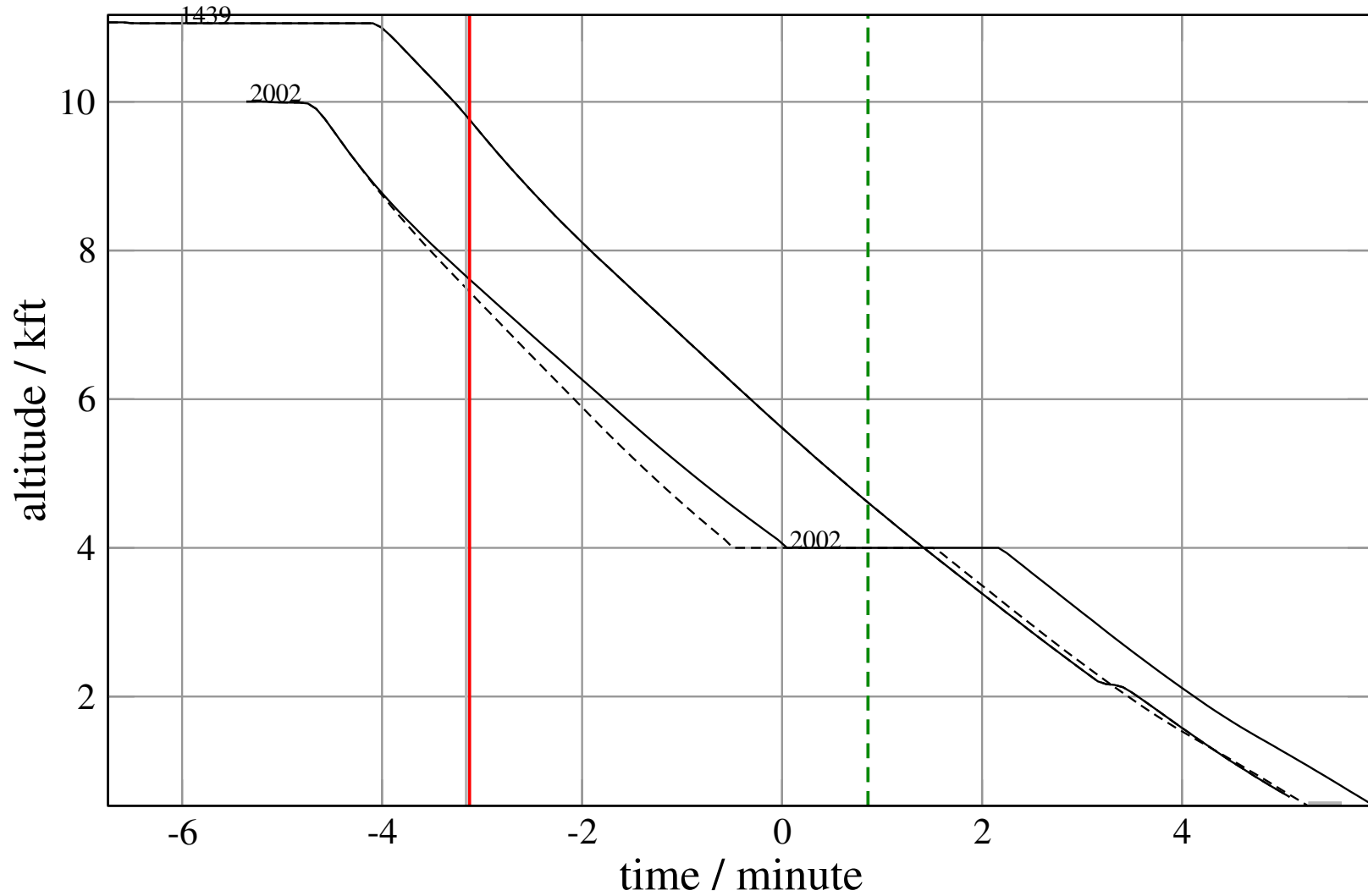
Maneuver Planview

+ A2002D-A1439C 0.898V->1.000H(div): A2002D temp alt ++ speed dec 35 kn (+40 s) 1439-2002-25



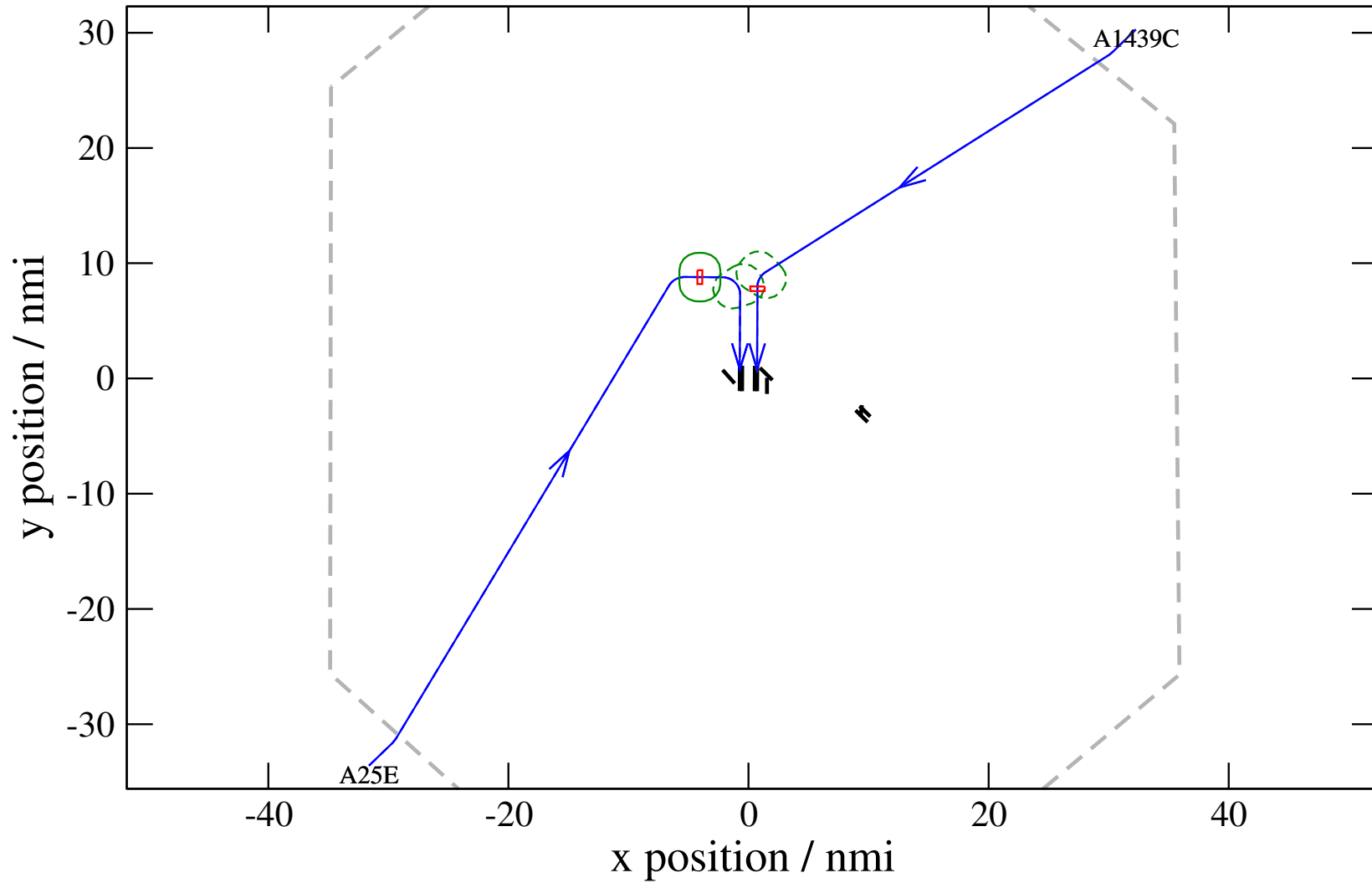
Maneuver Altitude Profiles

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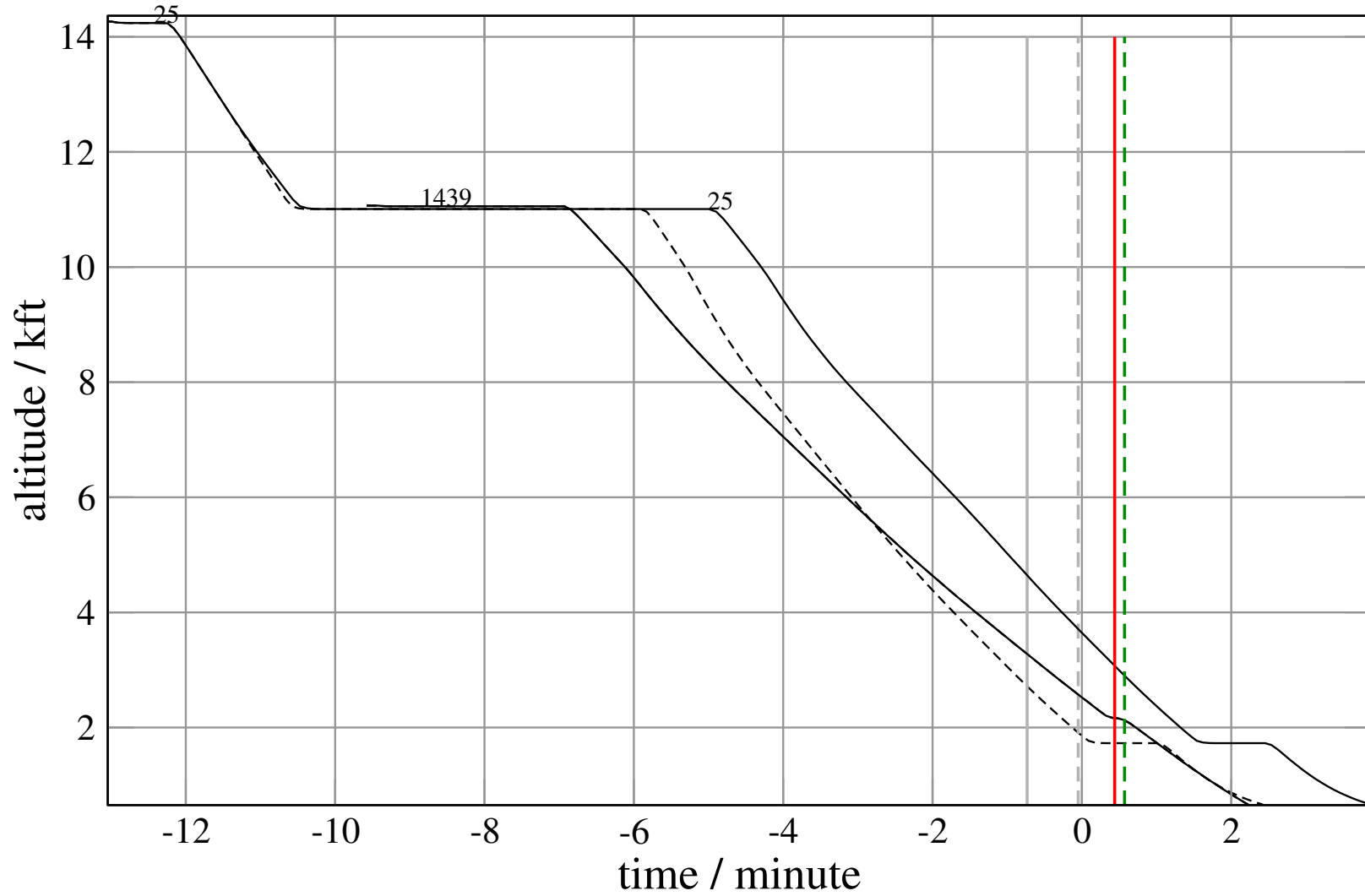
Maneuver Planview

+ A25E-A1439C 0.382H->1.336H: A25E speed dec 38 kn (+87 s) 1439-25-25



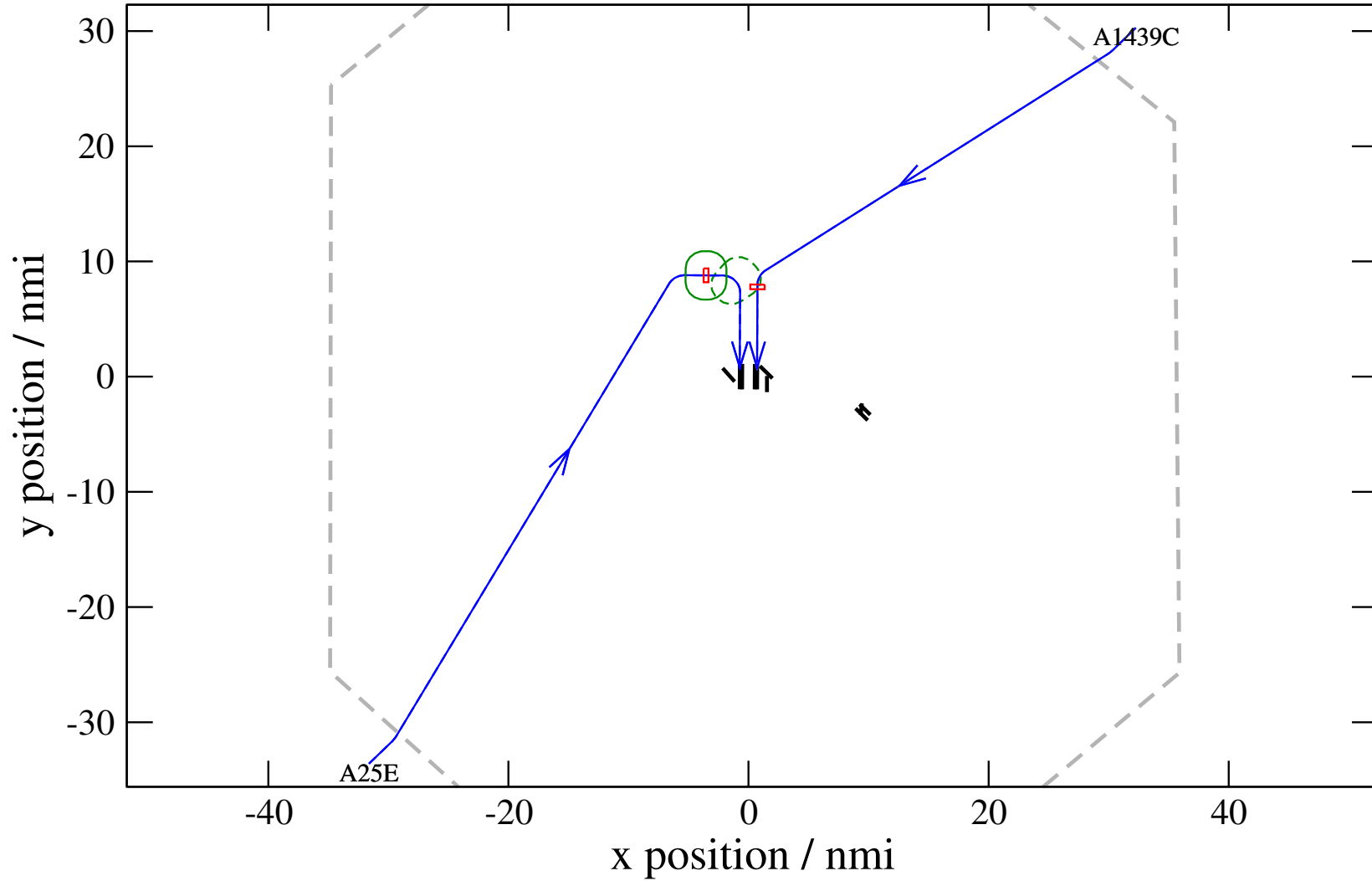
Maneuver Altitude Profiles

+ A25E-A1439C 0.382H->1.336H: A25E speed dec 38 kn (+87 s) 1439-25-25



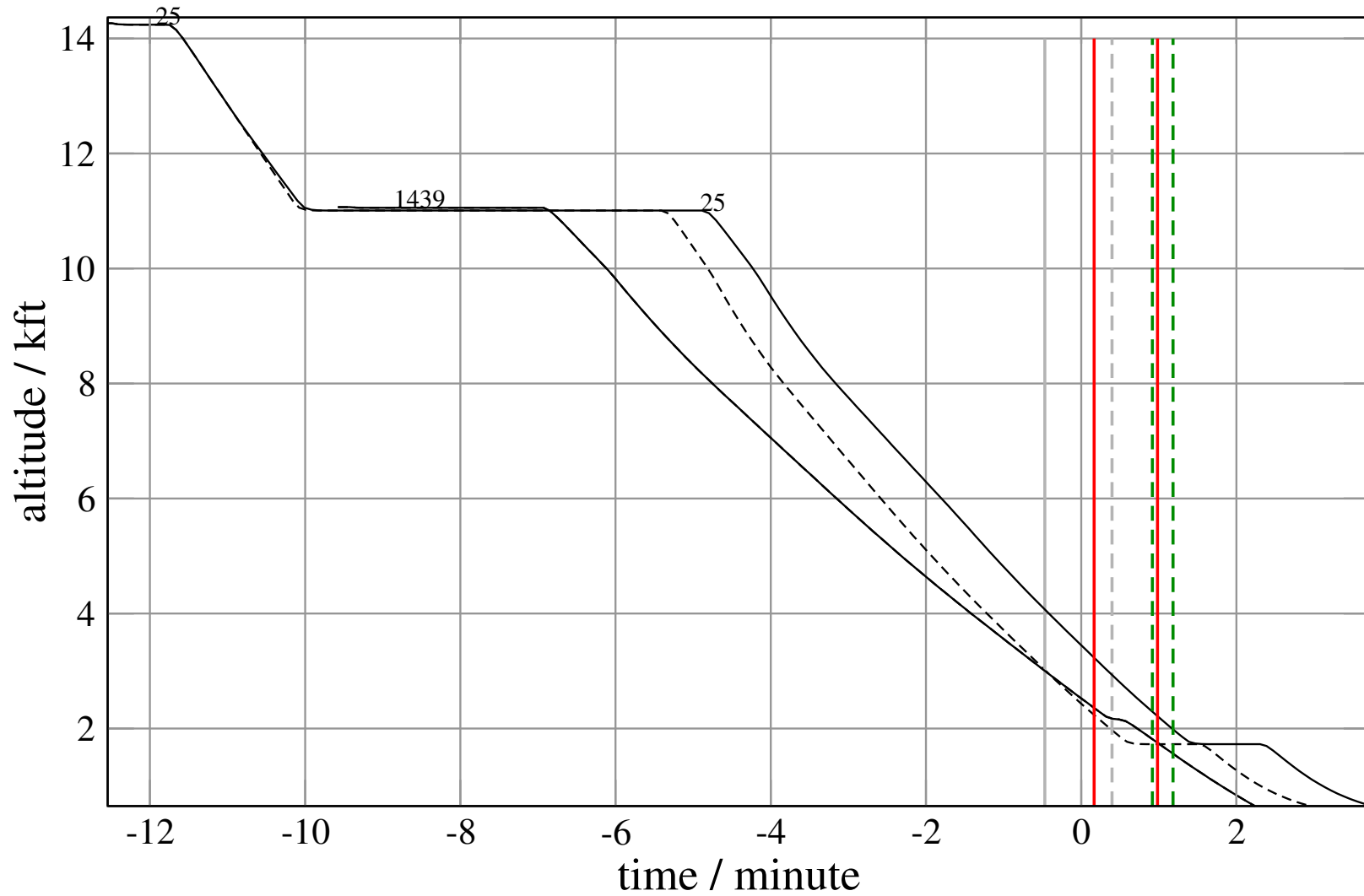
Maneuver Planview

+ A25E-A1439C 0.256H->1.165H: A25E speed dec 23 kn (+48 s) 1439-25-26



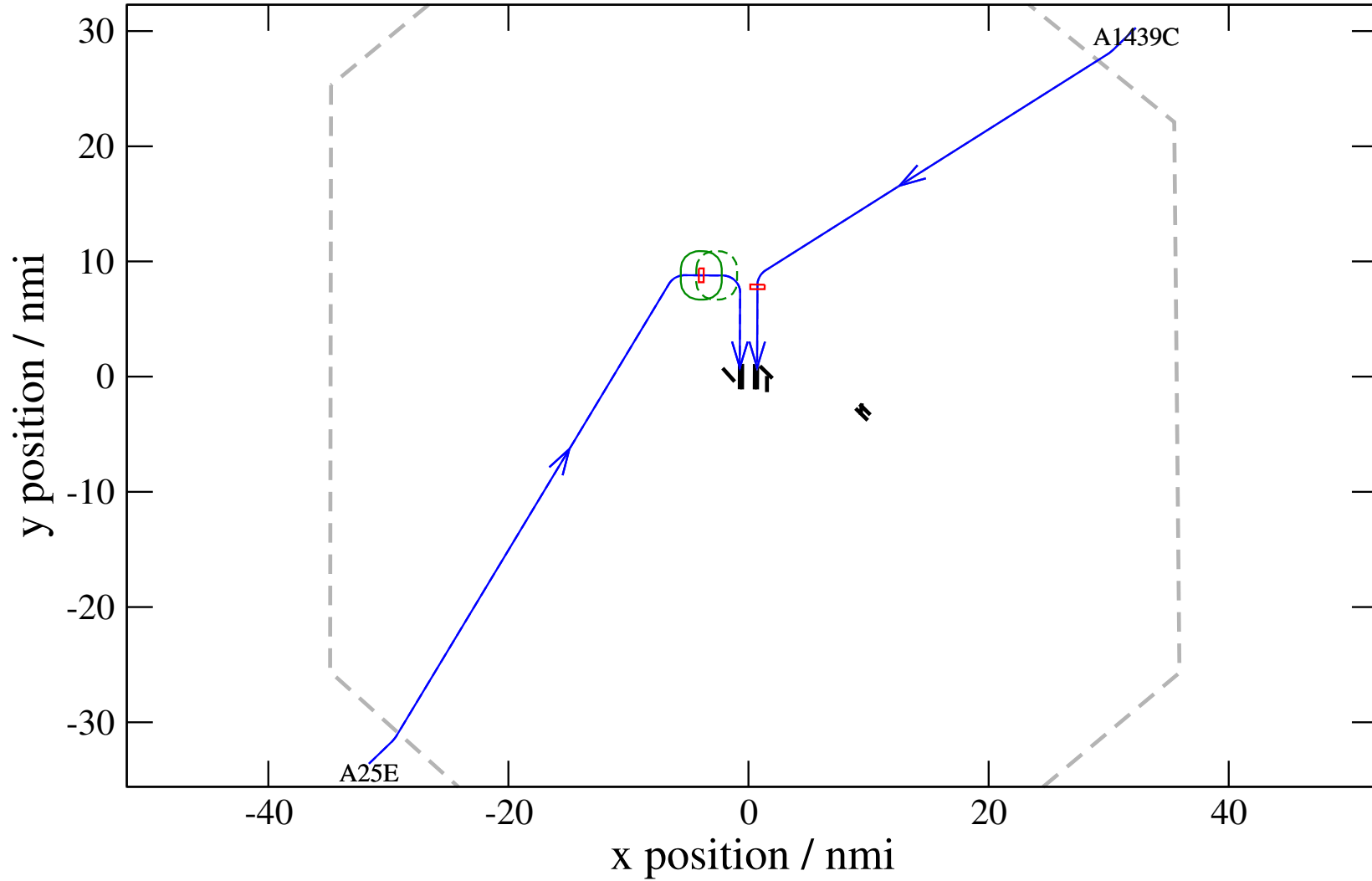
Maneuver Altitude Profiles

+ A25E-A1439C 0.256H->1.165H: A25E speed dec 23 kn (+48 s) 1439-25-26



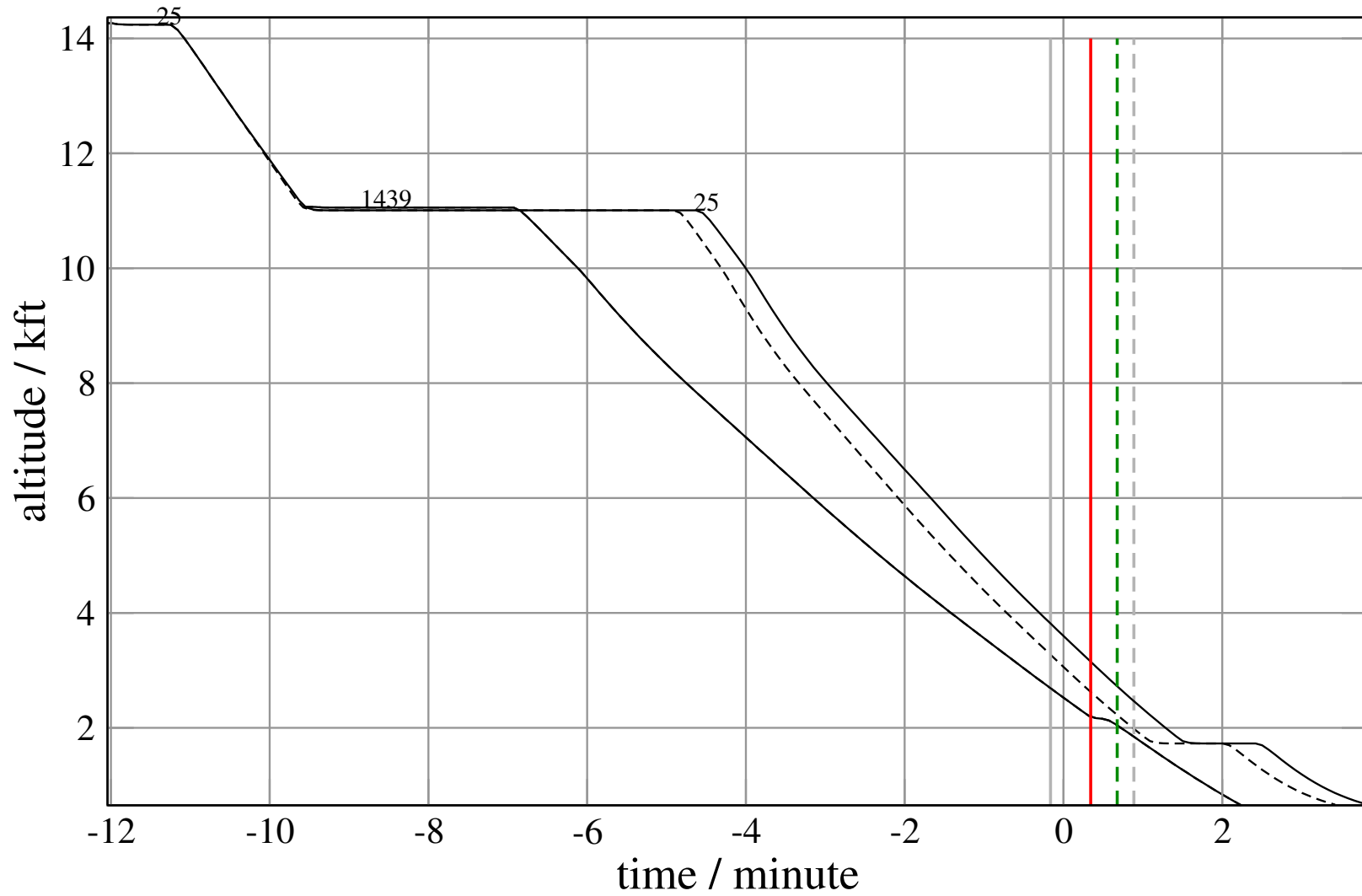
Maneuver Planview

+ A25E-A1439C 0.872H->1.296H: A25E speed dec 13 kn (+25 s) 1439-25-27



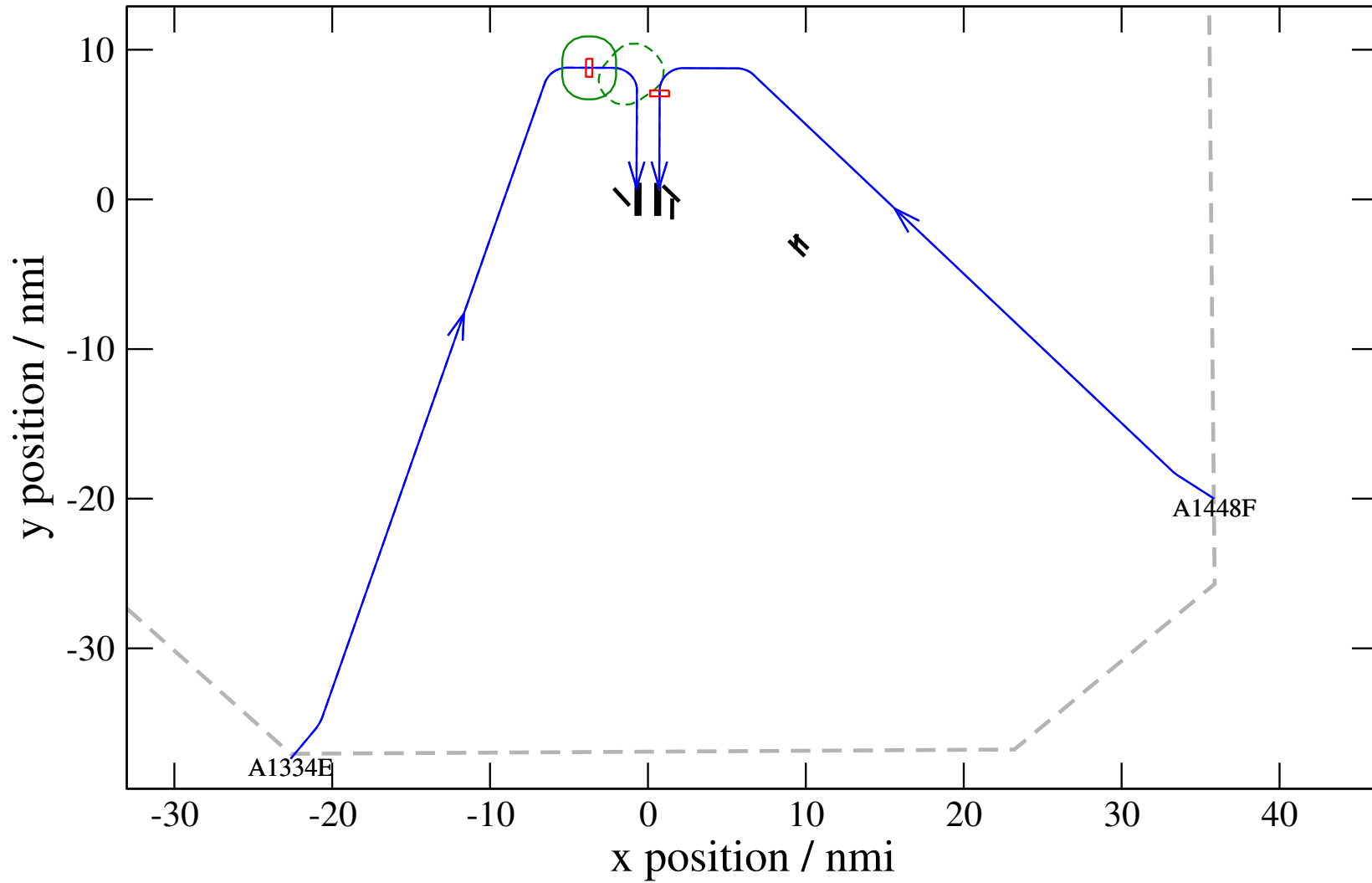
Maneuver Altitude Profiles

+ A25E-A1439C 0.872H->1.296H: A25E speed dec 13 kn (+25 s) 1439-25-27



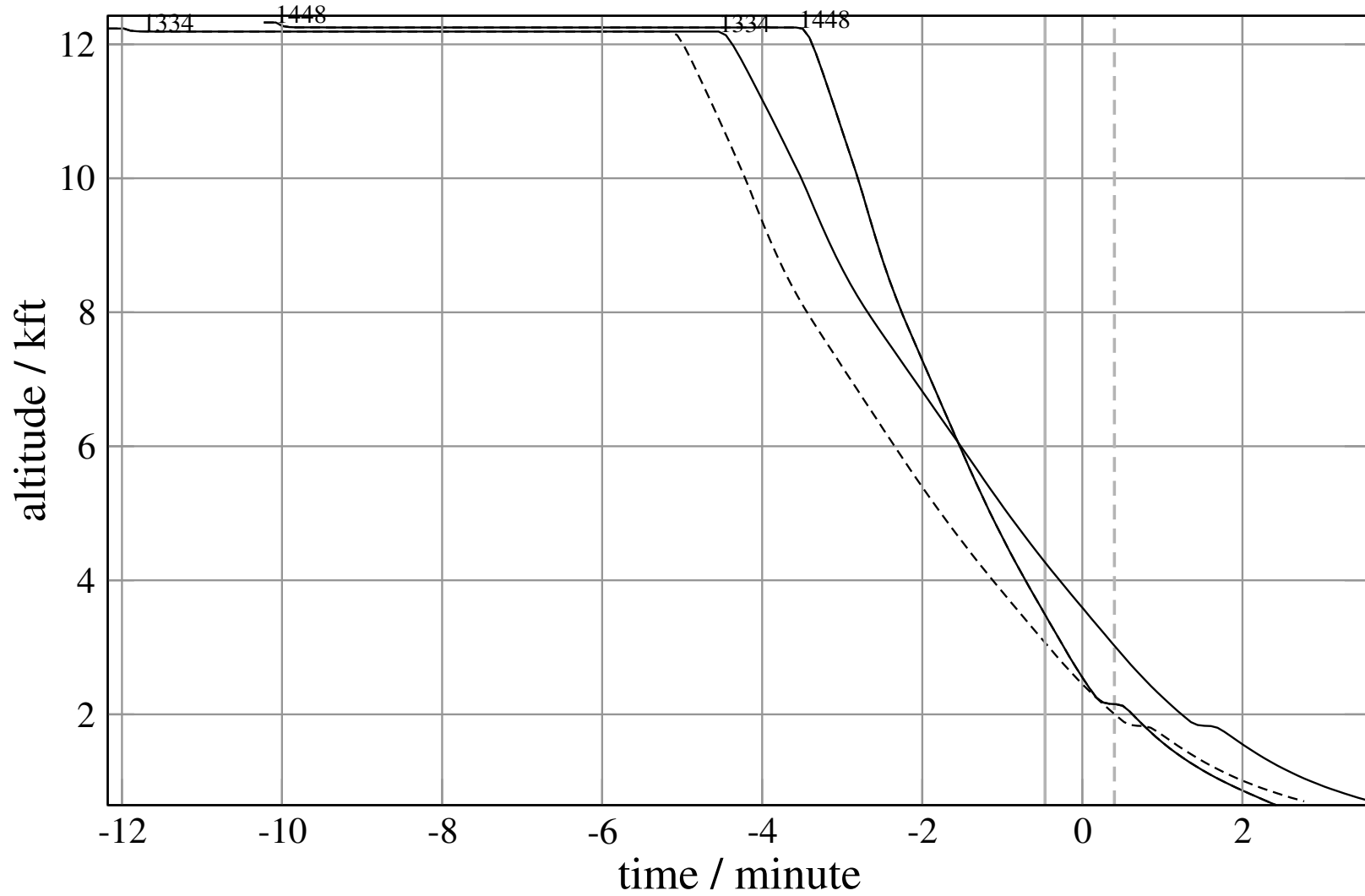
Maneuver Planview

+ A1334E-A1448F 0.448H->1.260H: A1334E speed dec 25 kn (+50 s) 1448-1334-27



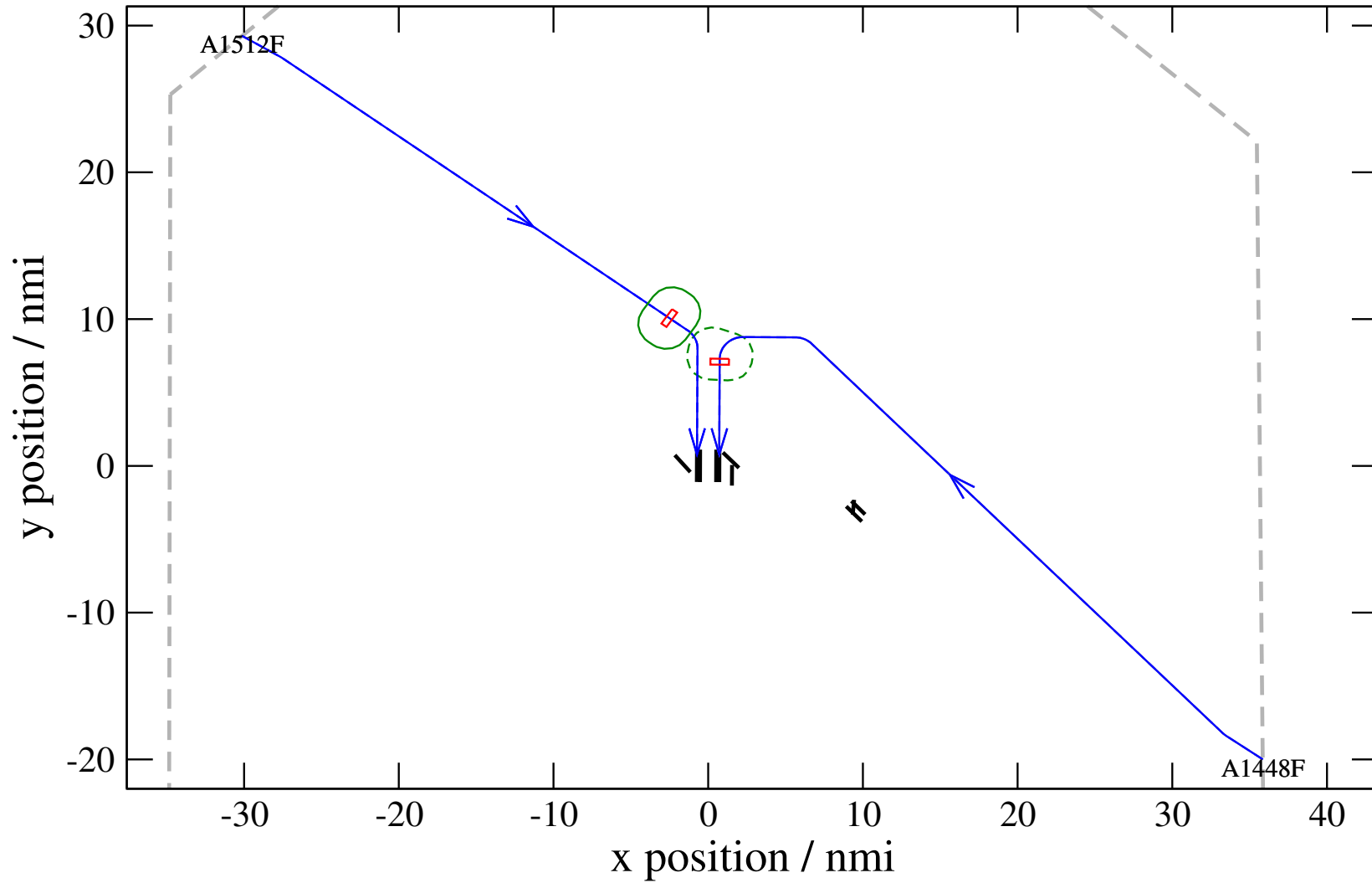
Maneuver Altitude Profiles

+ A1334E-A1448F 0.448H->1.260H: A1334E speed dec 25 kn (+50 s) 1448-1334-27



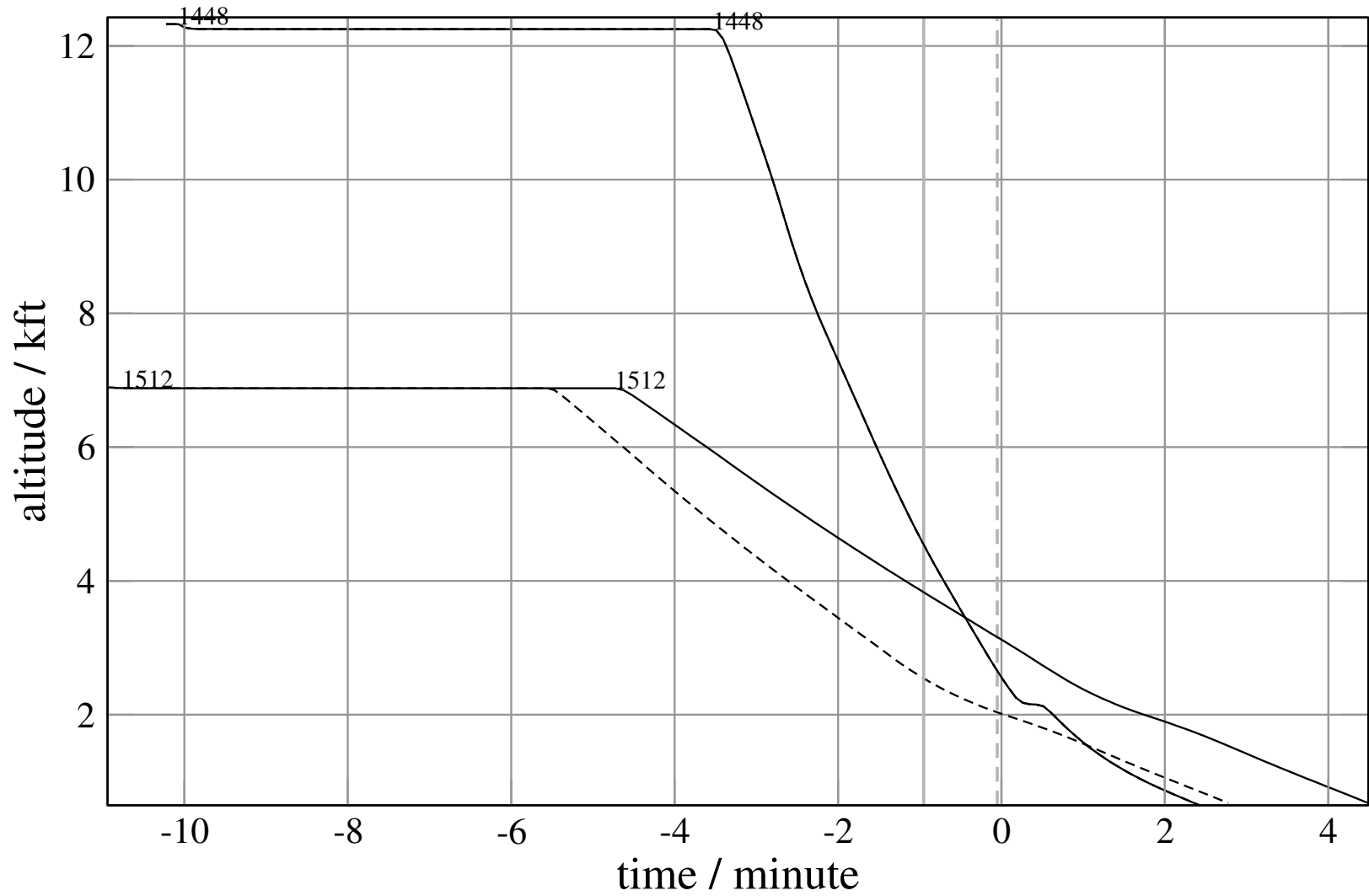
Maneuver Planview

+ A1512F-A1448F 0.531H->1.190H: A1512F speed dec 35 kn (+103 s) 1448-1512-27



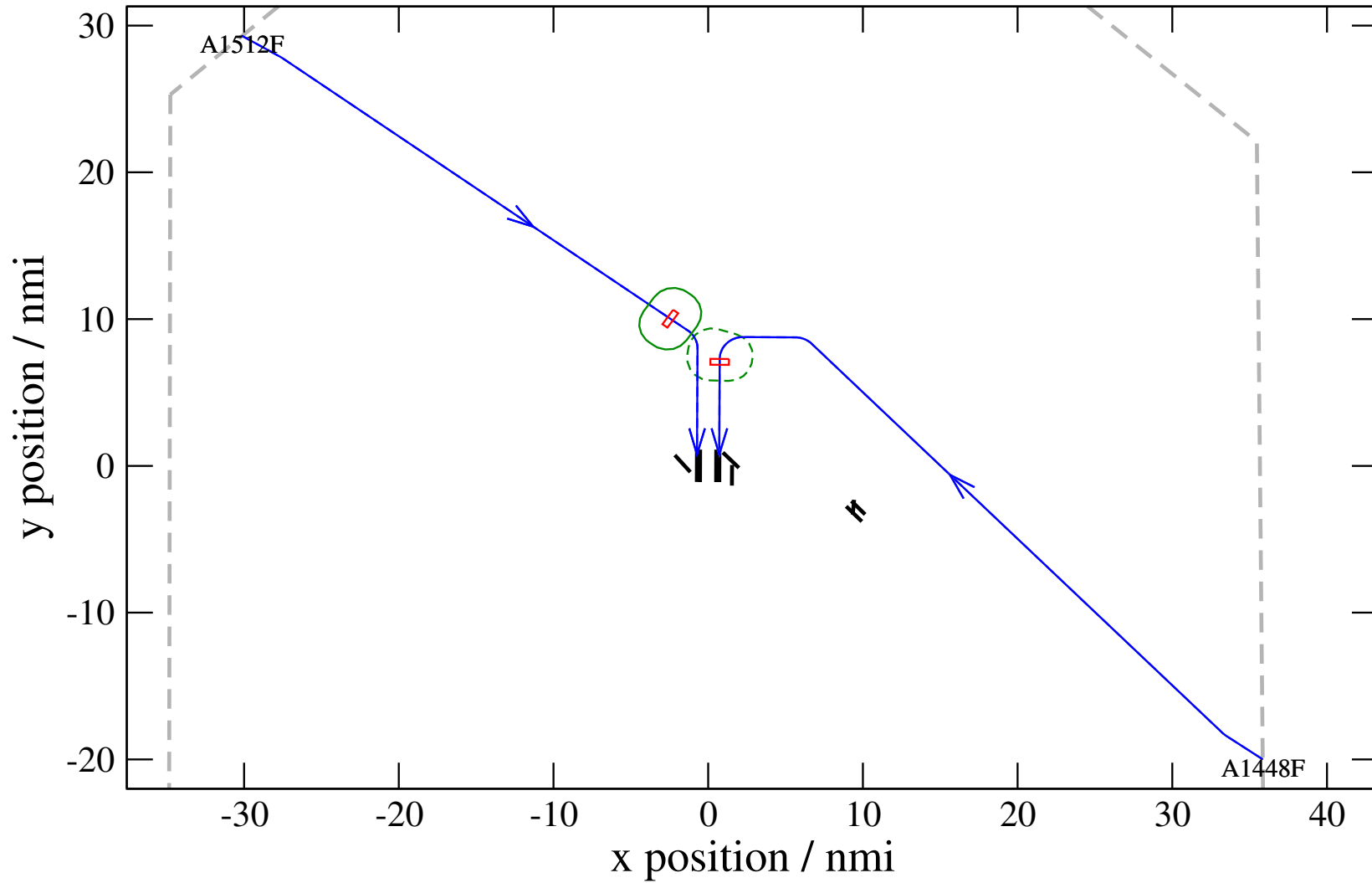
Maneuver Altitude Profiles

+ A1512F-A1448F 0.531H->1.190H: A1512F speed dec 35 kn (+103 s) 1448-1512-27



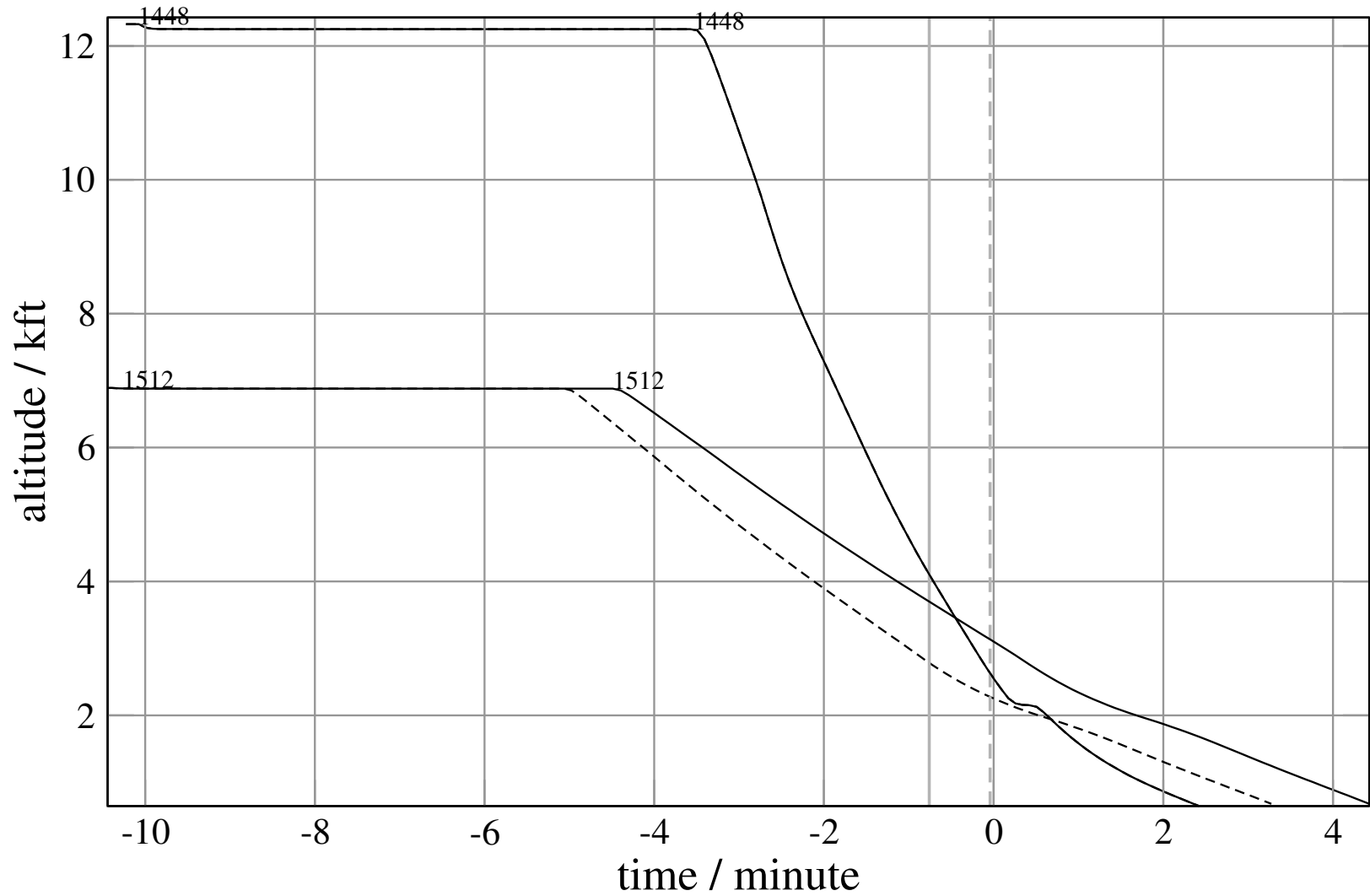
Maneuver Planview

+ A1512F-A1448F 0.243H->1.167H: A1512F speed dec 25 kn (+69 s) 1448-1512-28



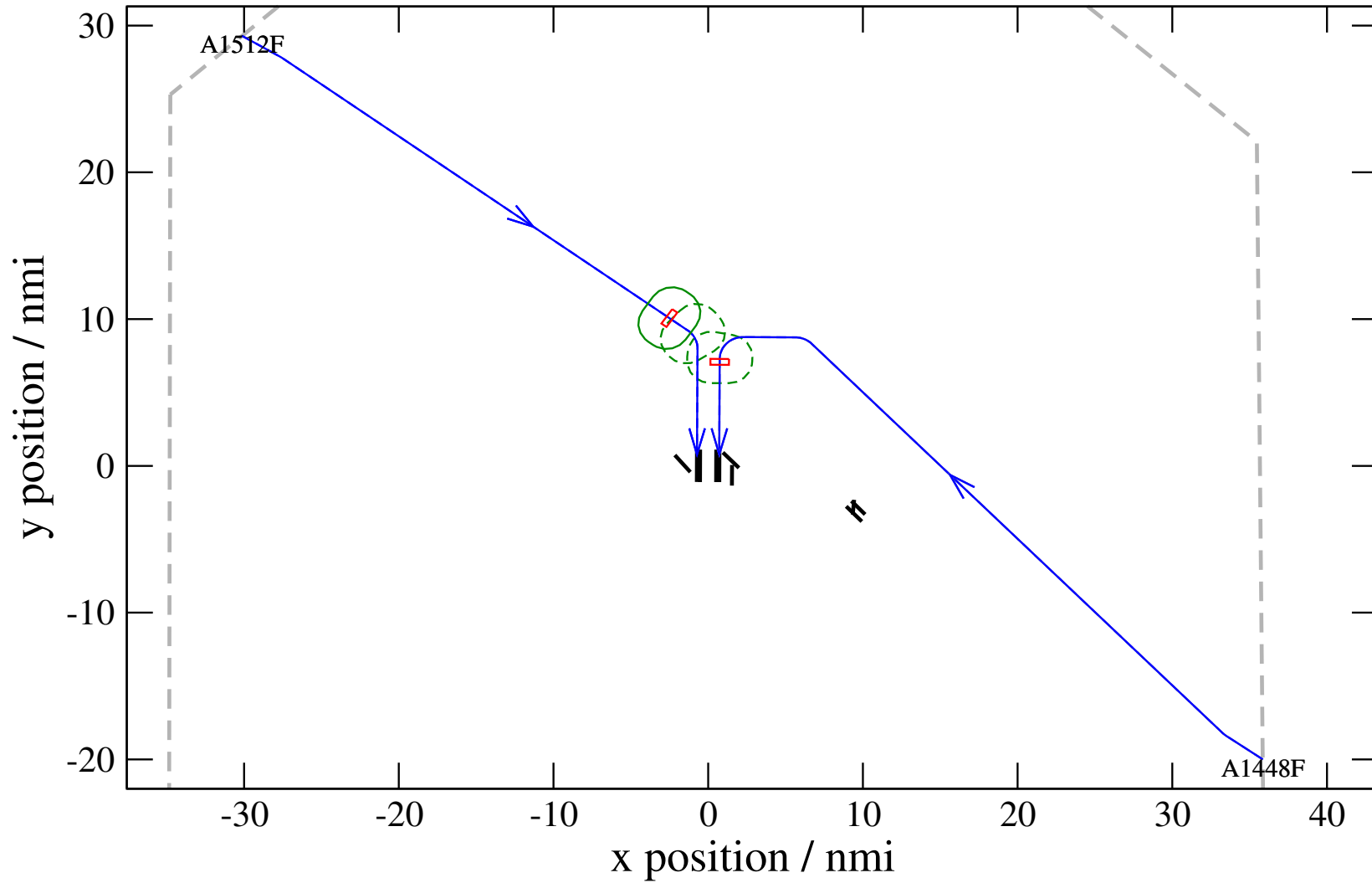
Maneuver Altitude Profiles

+ A1512F-A1448F 0.243H->1.167H: A1512F speed dec 25 kn (+69 s) 1448-1512-28



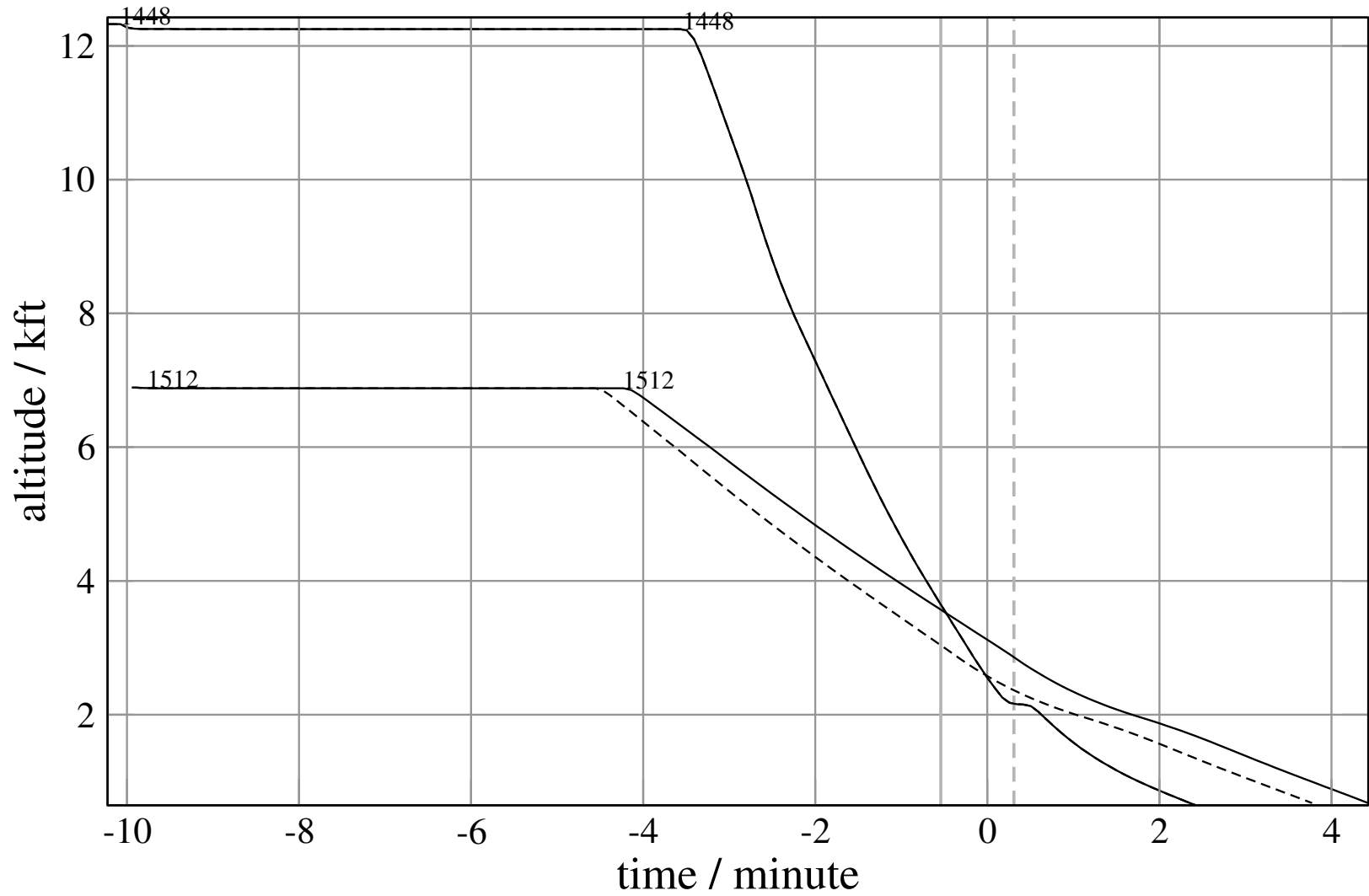
Maneuver Planview

+ A1512F-A1448F 0.516H->1.191H: A1512F speed dec 15 kn (+39 s) 1448-1512-29



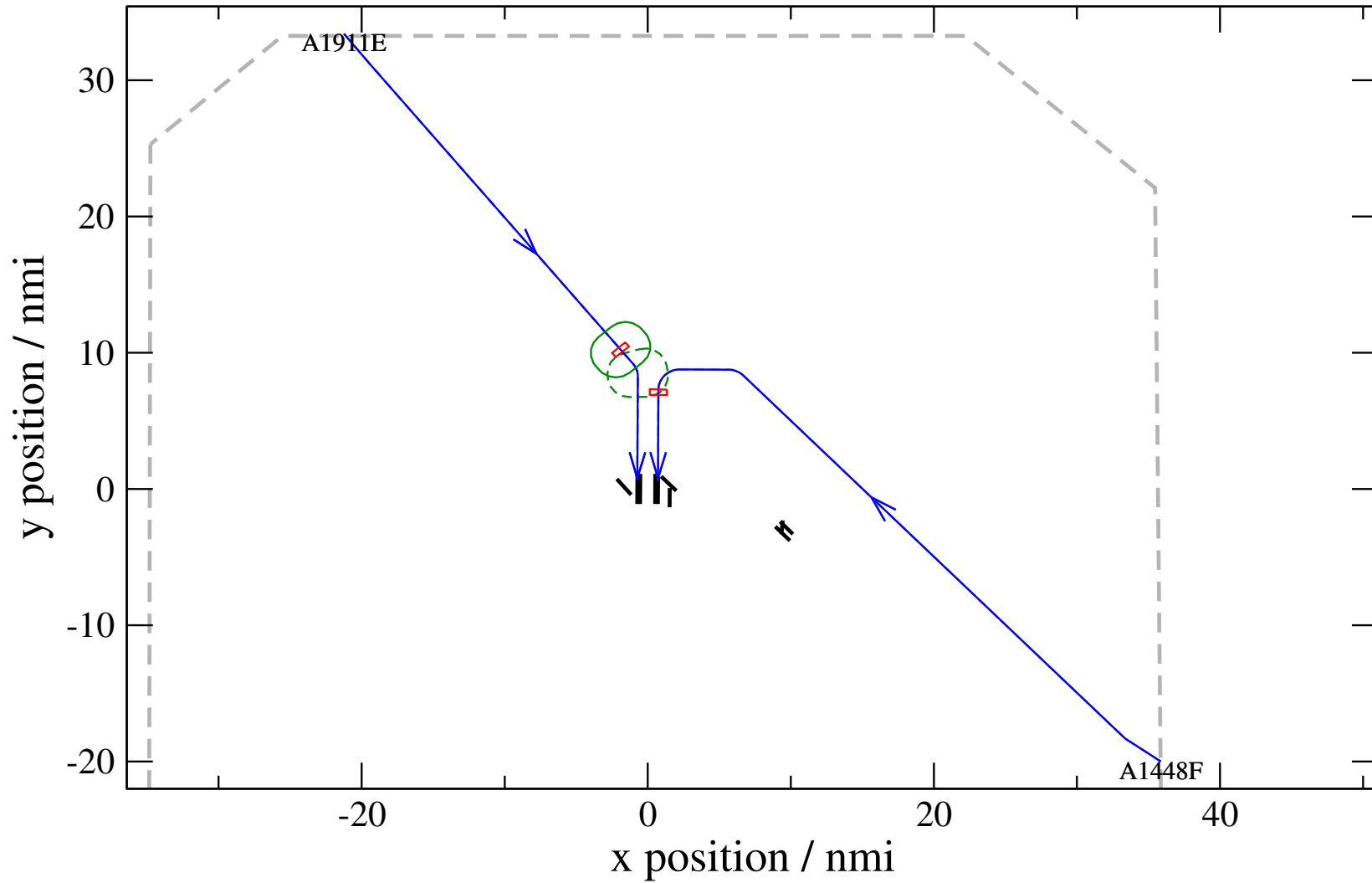
Maneuver Altitude Profiles

+ A1512F-A1448F 0.516H->1.191H: A1512F speed dec 15 kn (+39 s) 1448-1512-29



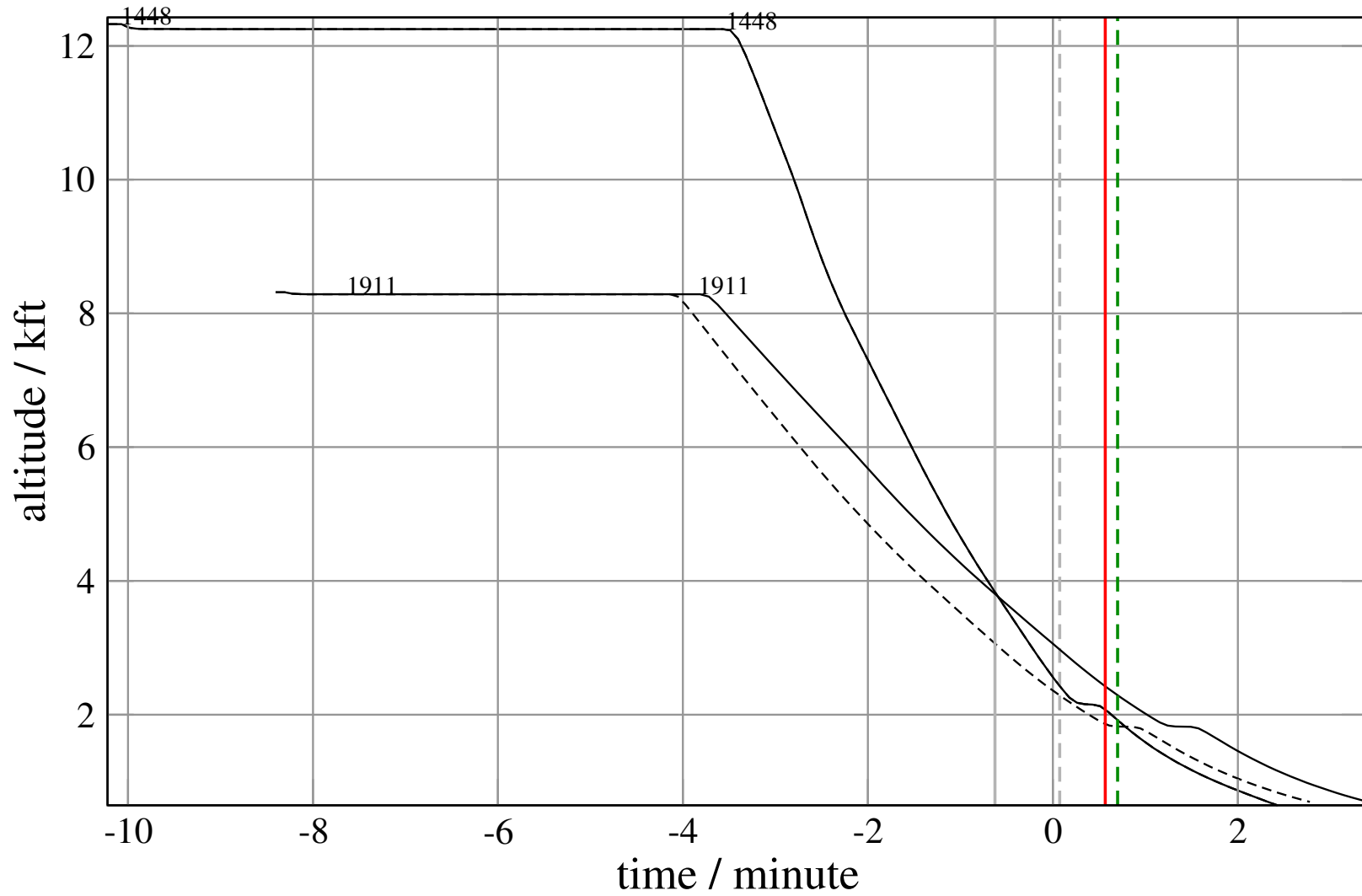
Maneuver Planview

+ A1911E-A1448F 0.313V->1.114H: A1911E speed dec 30 kn (+38 s) 1448-1911-27



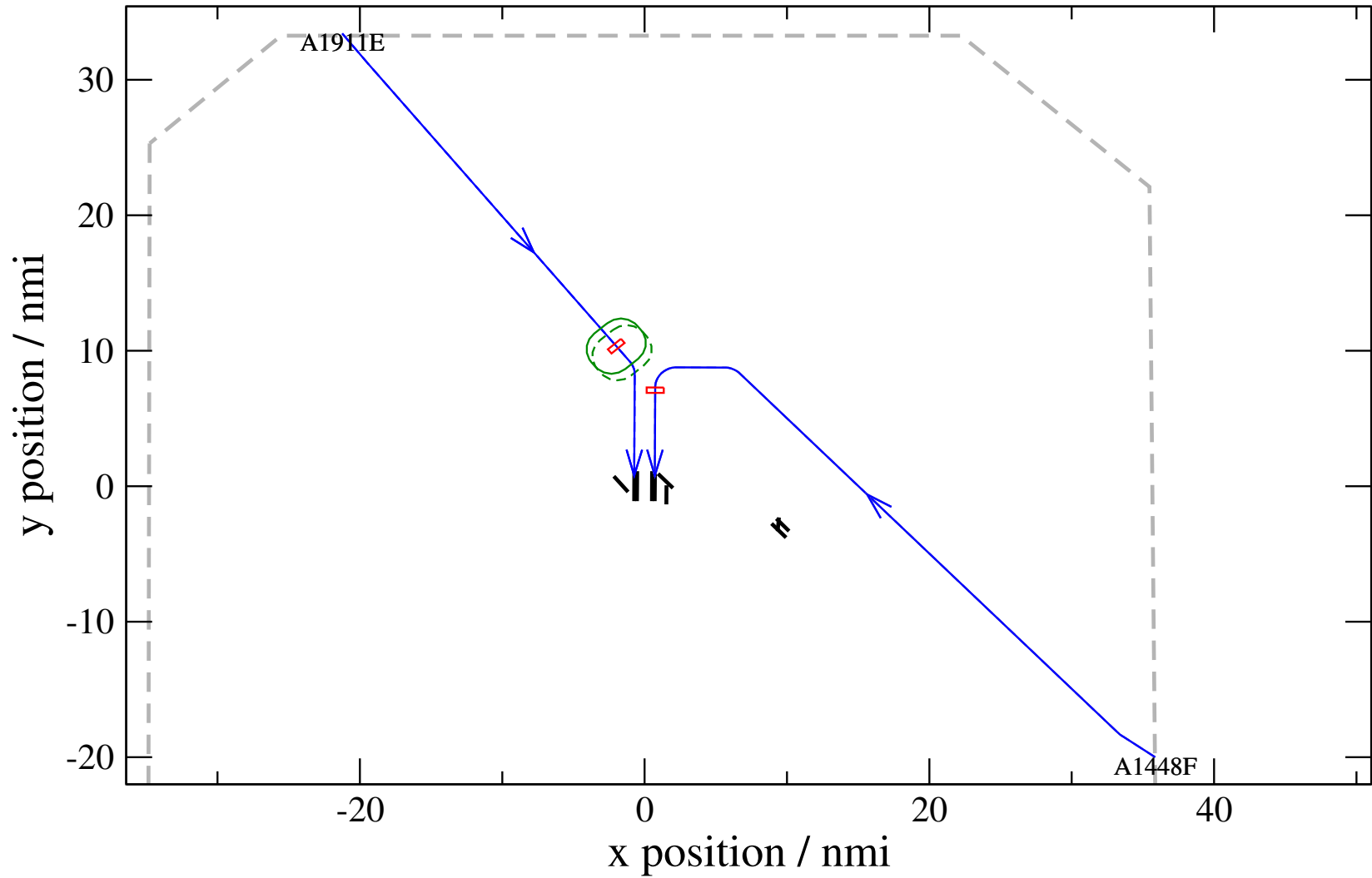
Maneuver Altitude Profiles

+ A1911E-A1448F 0.313V->1.114H: A1911E speed dec 30 kn (+38 s) 1448-1911-27



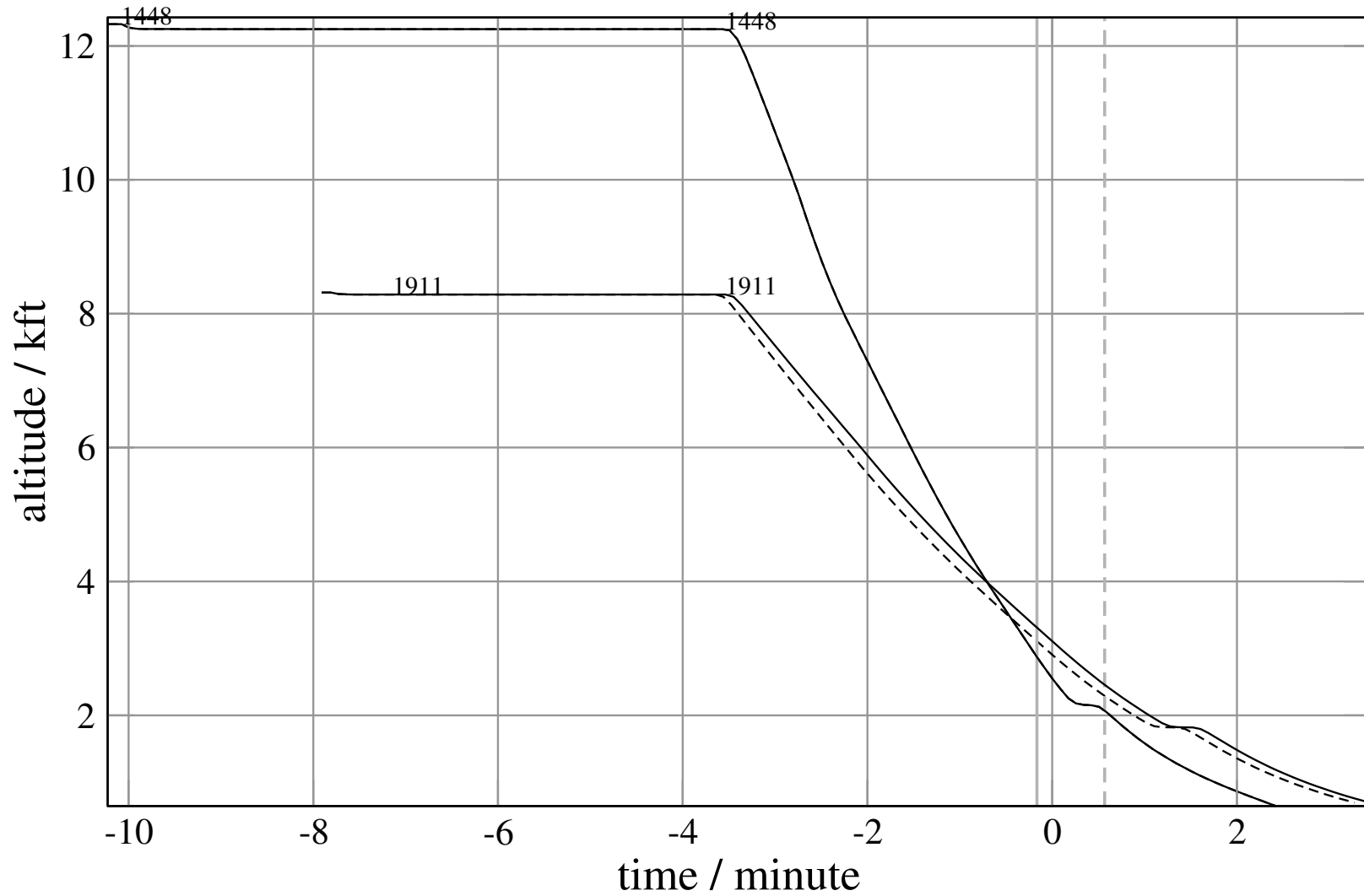
Maneuver Planview

+ A1911E-A1448F 0.960H->1.169H: A1911E speed dec 10 kn (+10 s) 1448-1911-28



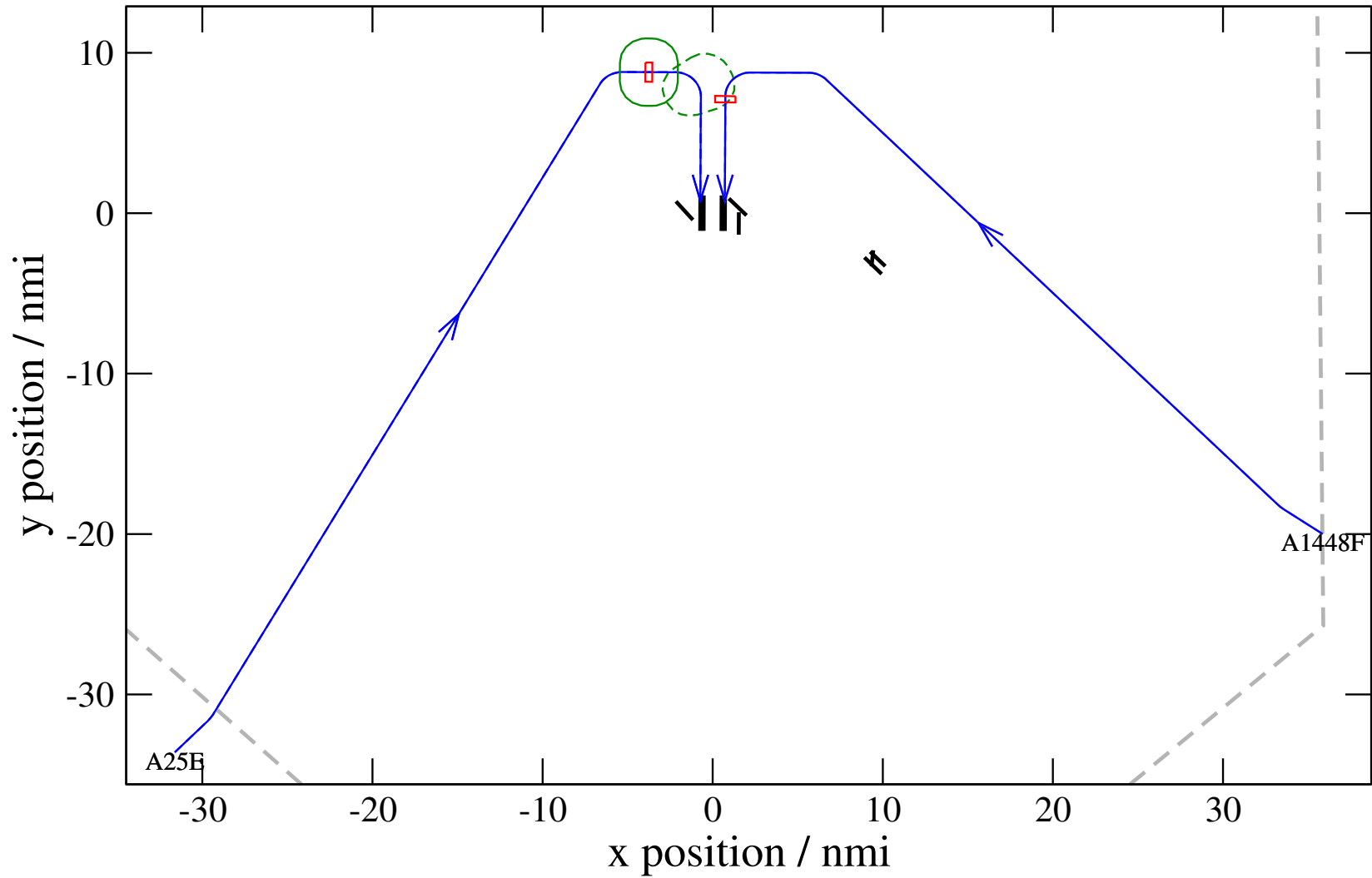
Maneuver Altitude Profiles

+ A1911E-A1448F 0.960H->1.169H: A1911E speed dec 10 kn (+10 s) 1448-1911-28



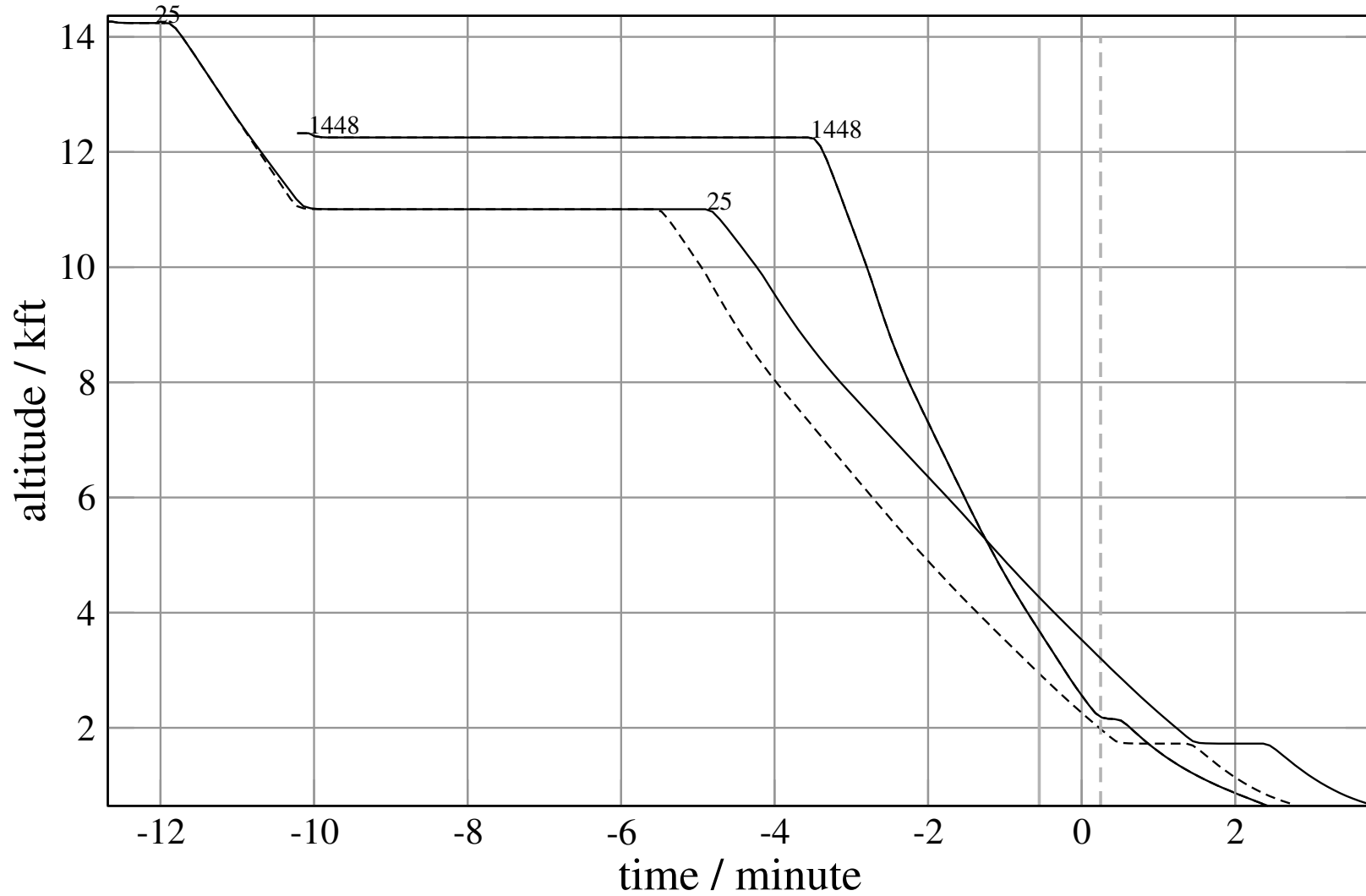
Maneuver Planview

+ A25E-A1448F 0.322V->1.266H: A25E speed dec 28 kn (+60 s) 1448-25-27



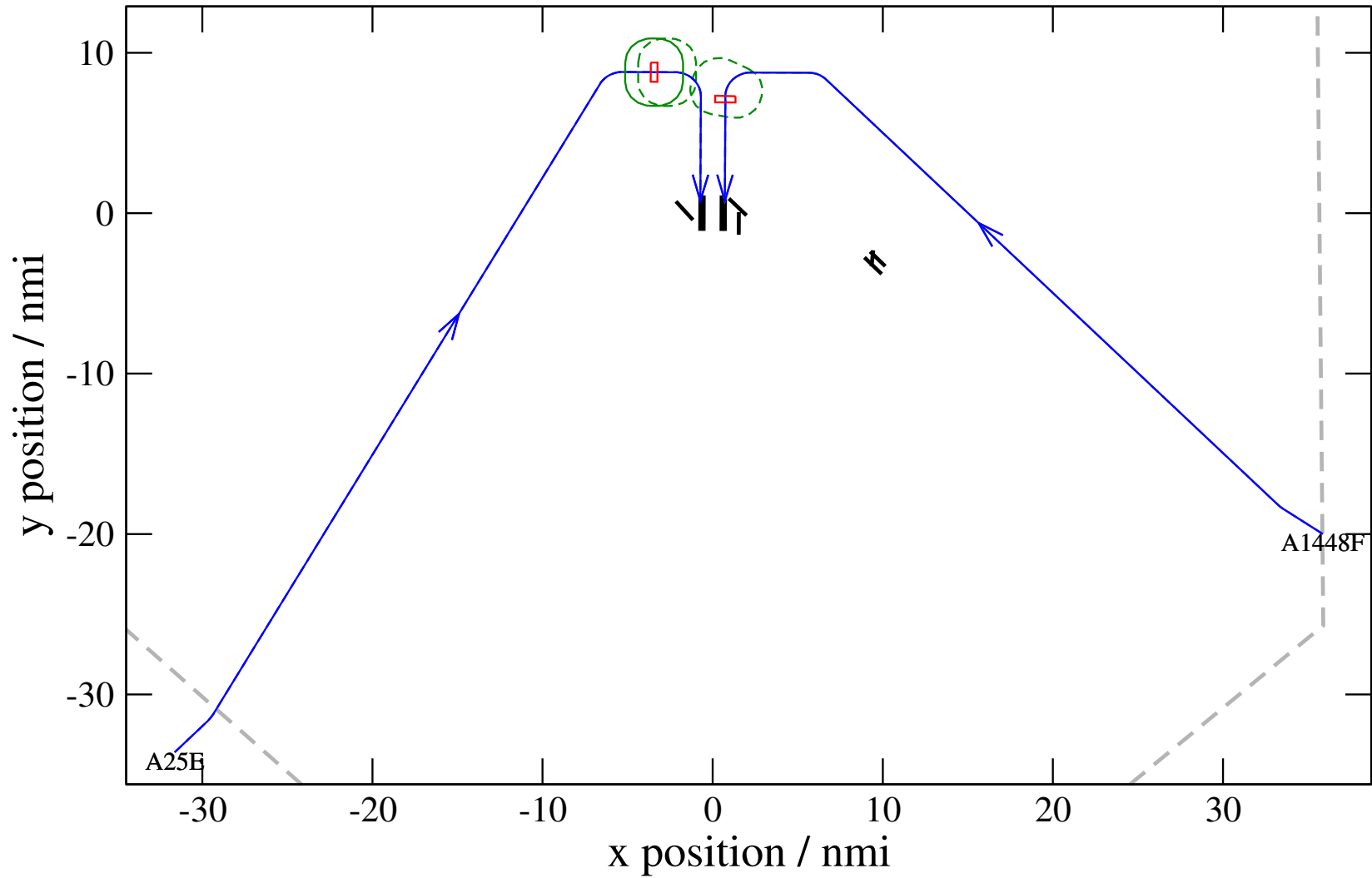
Maneuver Altitude Profiles

+ A25E-A1448F 0.322V->1.266H: A25E speed dec 28 kn (+60 s) 1448-25-27



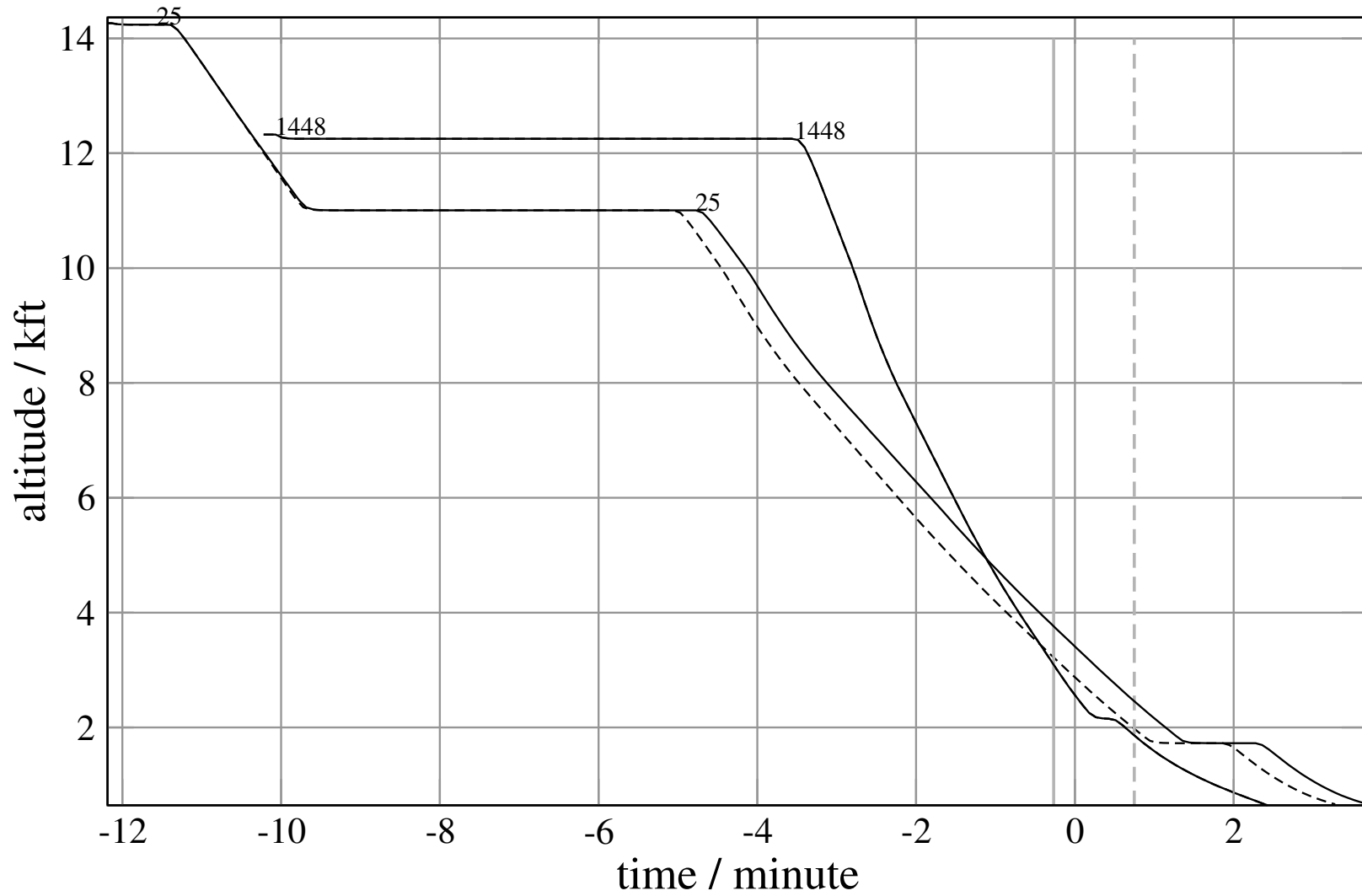
Maneuver Planview

+ A25E-A1448F 0.944H->1.167H: A25E speed dec 13 kn (+25 s) 1448-25-28



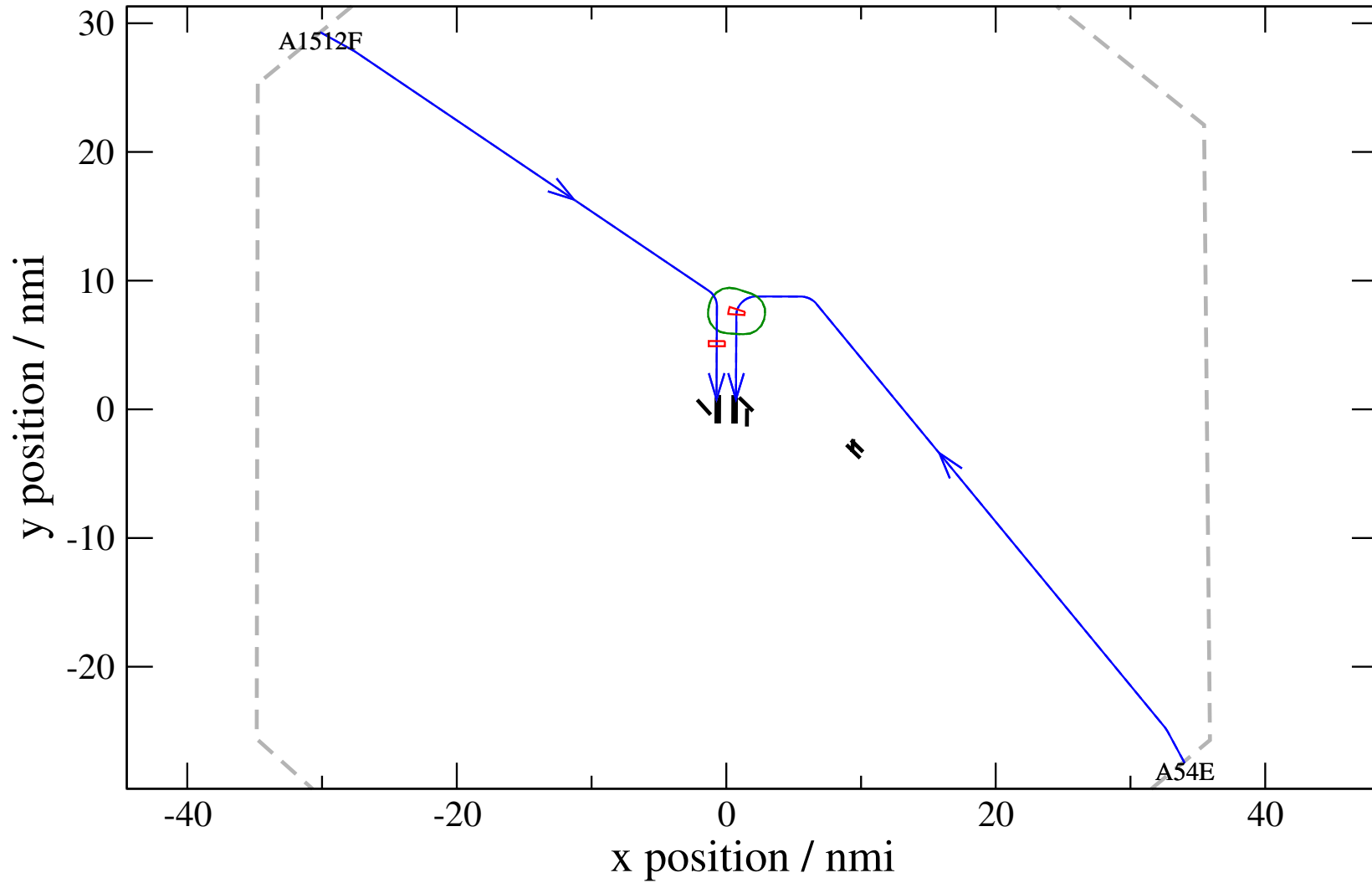
Maneuver Altitude Profiles

+ A25E-A1448F 0.944H->1.167H: A25E speed dec 13 kn (+25 s) 1448-25-28



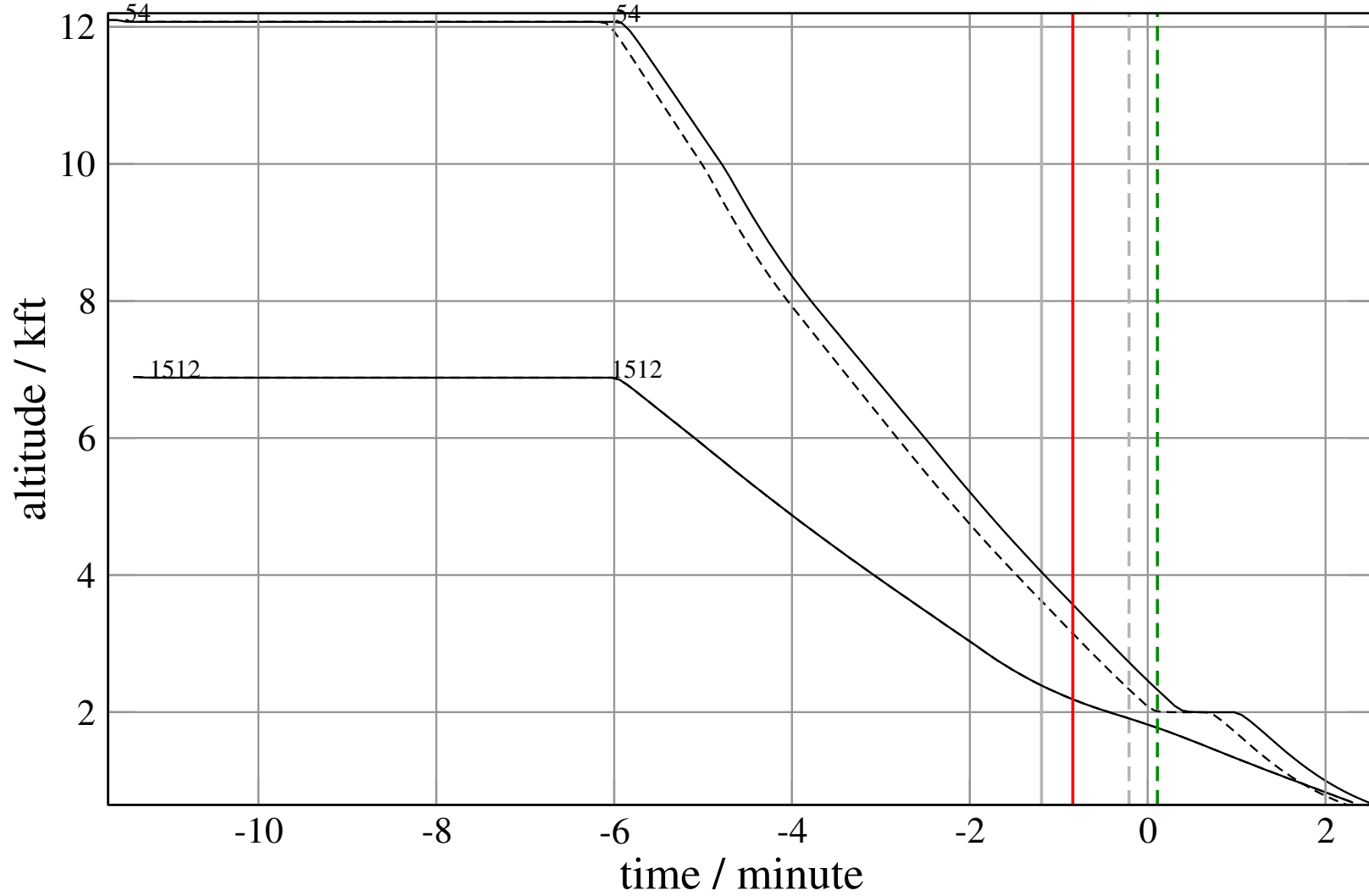
Maneuver Planview

+ A54E-A1512F 0.812H->1.133H: A54E speed dec 10 kn (+19 s) 54-1512-29



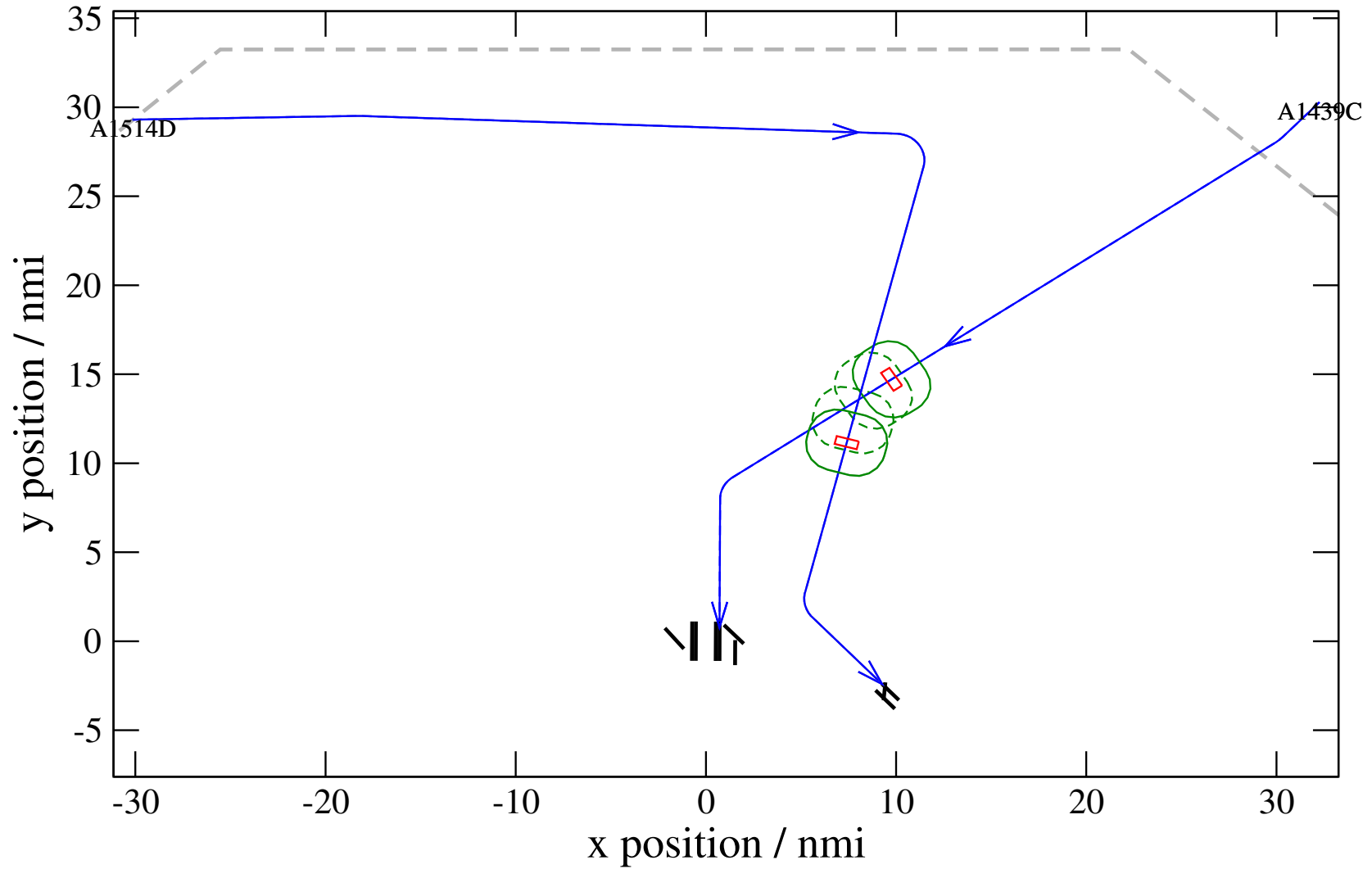
Maneuver Altitude Profiles

+ A54E-A1512F 0.812H->1.133H: A54E speed dec 10 kn (+19 s) 54-1512-29



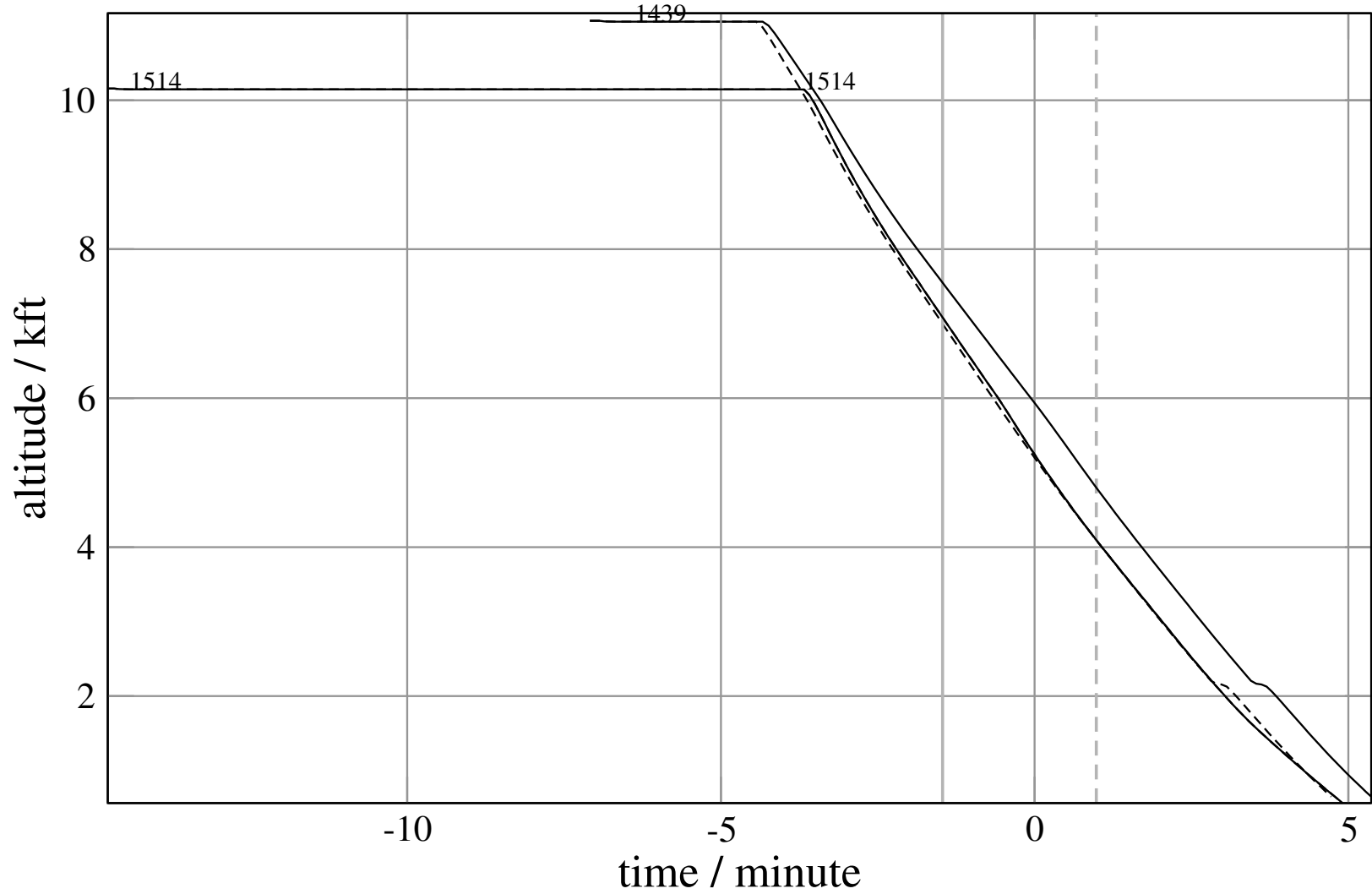
Maneuver Planview

+ A1439C-A1514D 0.363H->1.128H: A1439C speed dec 30 kn (+38 s) 1439-1514-25



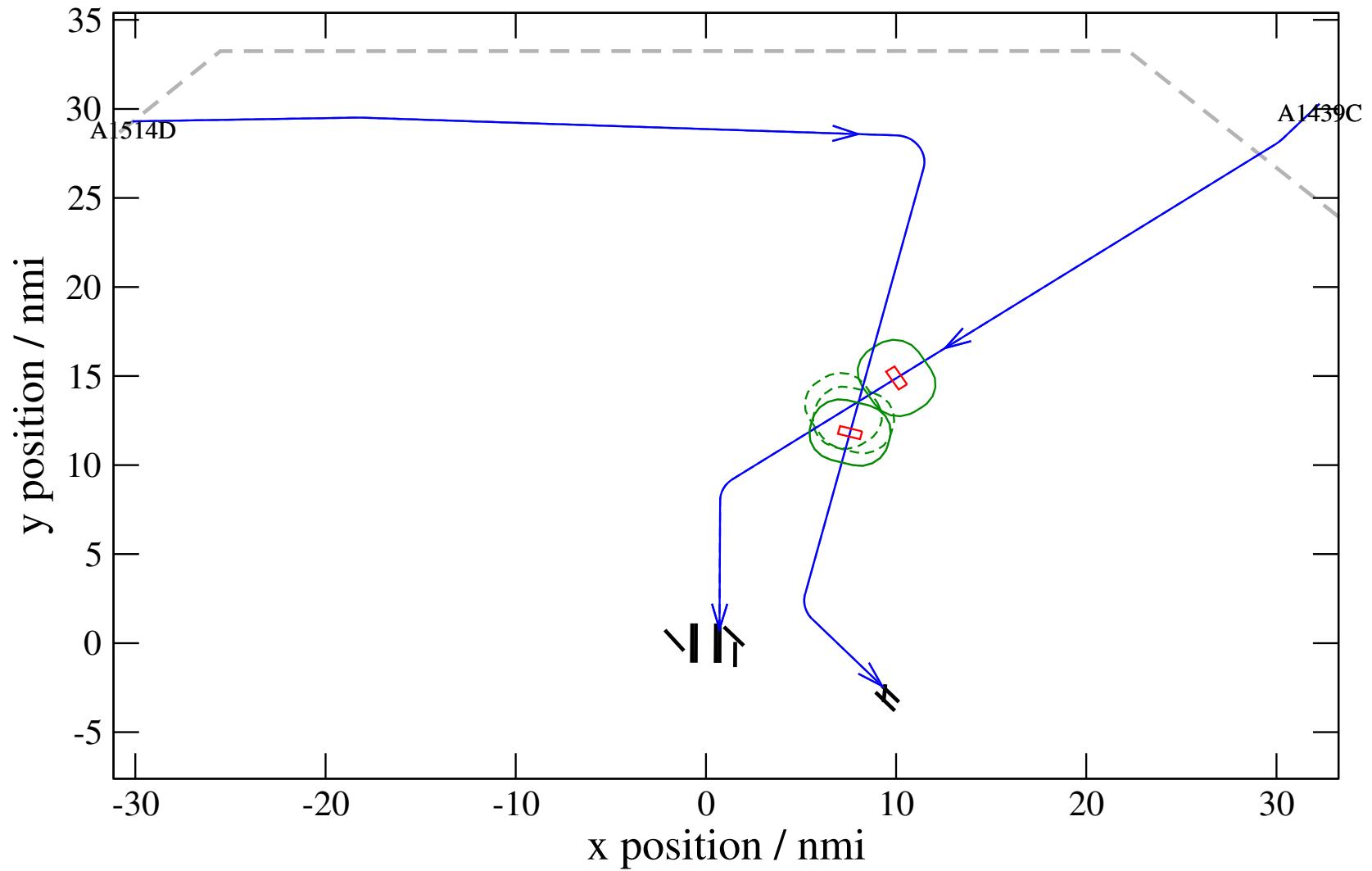
Maneuver Altitude Profiles

+ A1439C-A1514D 0.363H->1.128H: A1439C speed dec 30 kn (+38 s) 1439-1514-25



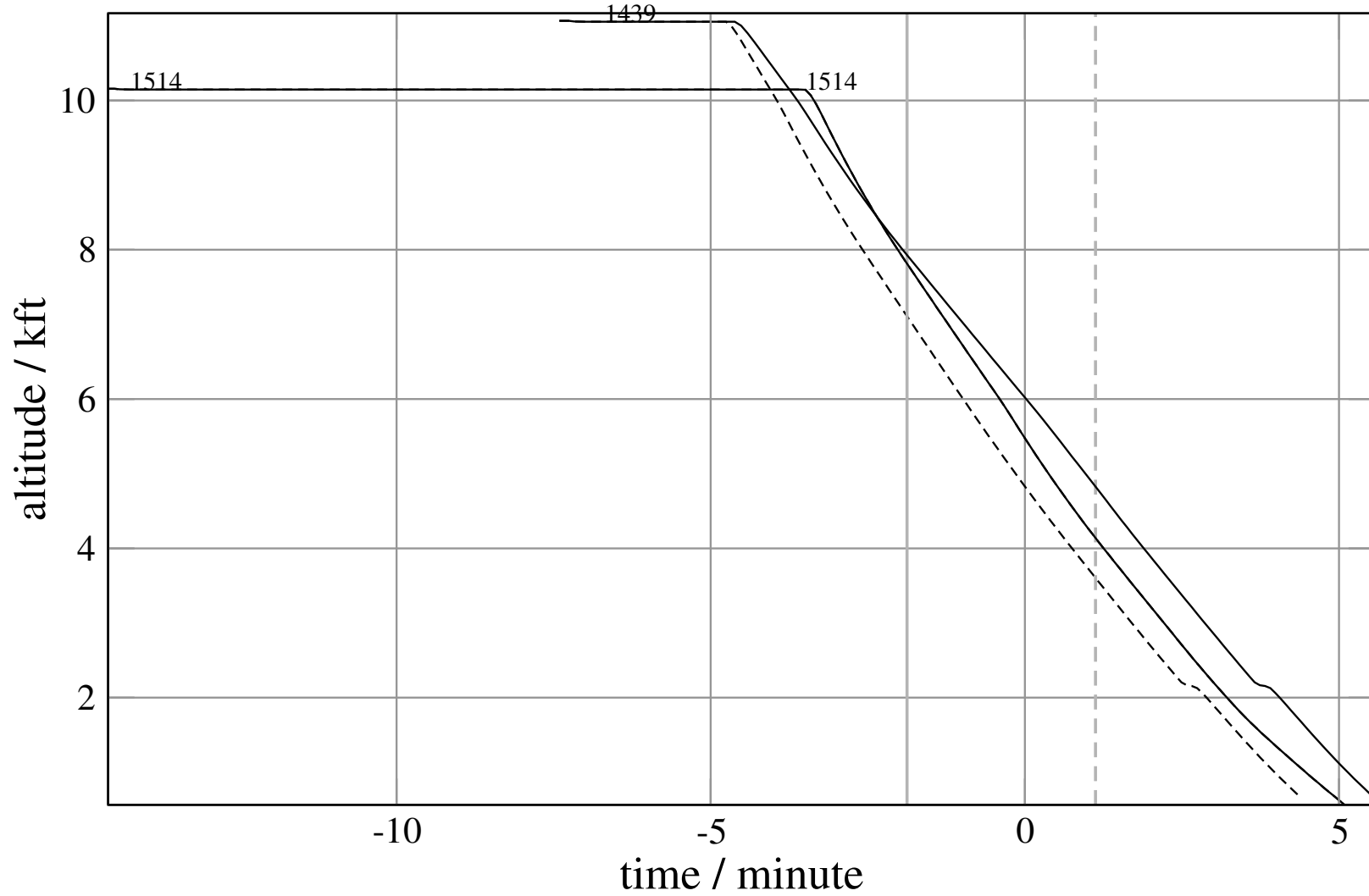
Maneuver Planview

+ A1439C-A1514D 0.126V->1.011H: A1439C speed dec 47 kn (+70 s) 1439-1514-26



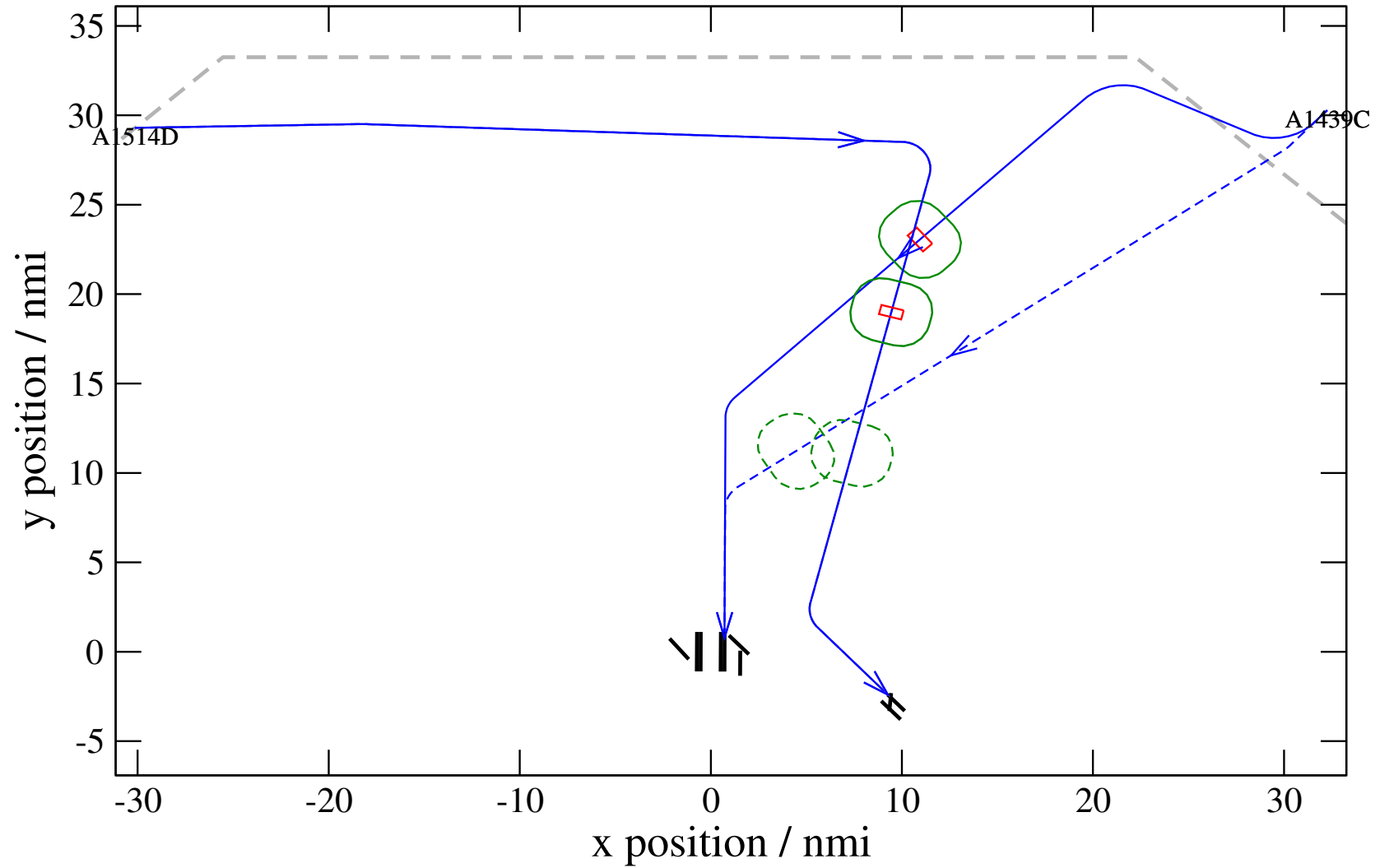
Maneuver Altitude Profiles

+ A1439C-A1514D 0.126V->1.011H: A1439C speed dec 47 kn (+70 s) 1439-1514-26



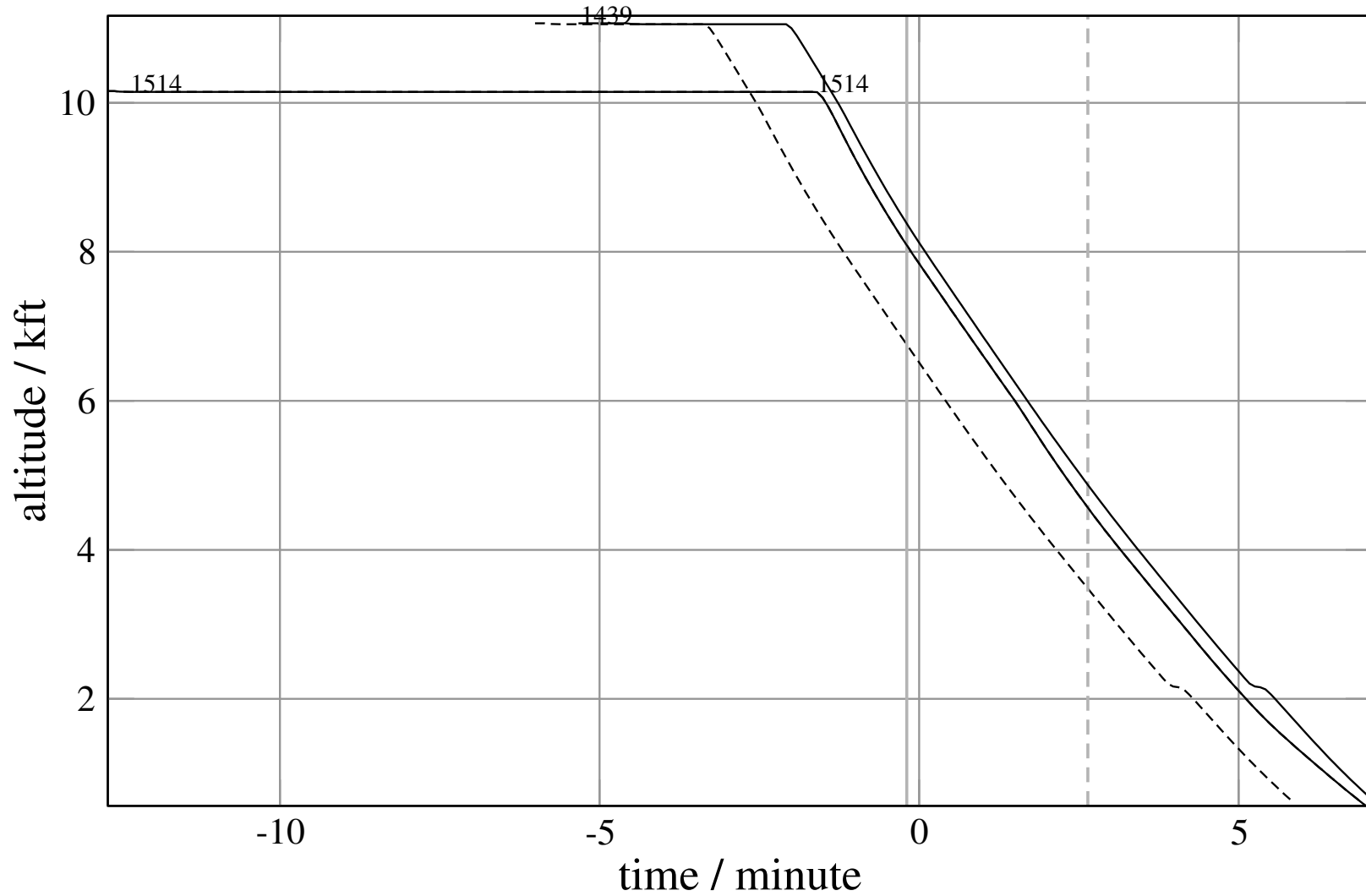
Maneuver Planview

+ A1439C-A1514D 0.693V->1.150H: A1439C reroute 50 deg, 10 nm, 13 nm (+77 s) 1439-1514-27



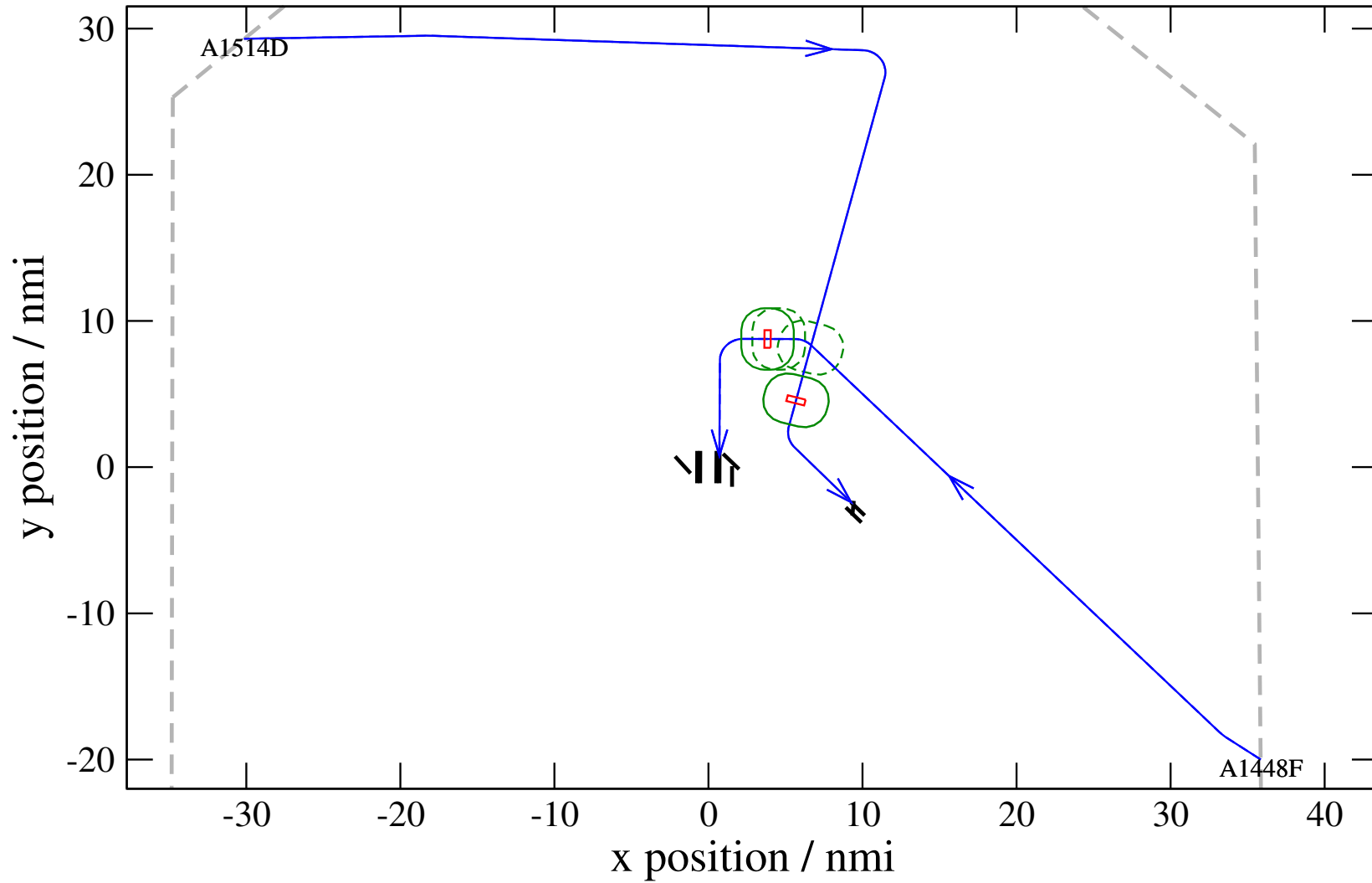
Maneuver Altitude Profiles

+ A1439C-A1514D 0.693V->1.150H: A1439C reroute 50 deg, 10 nm, 13 nm (+77 s) 1439-1514-27



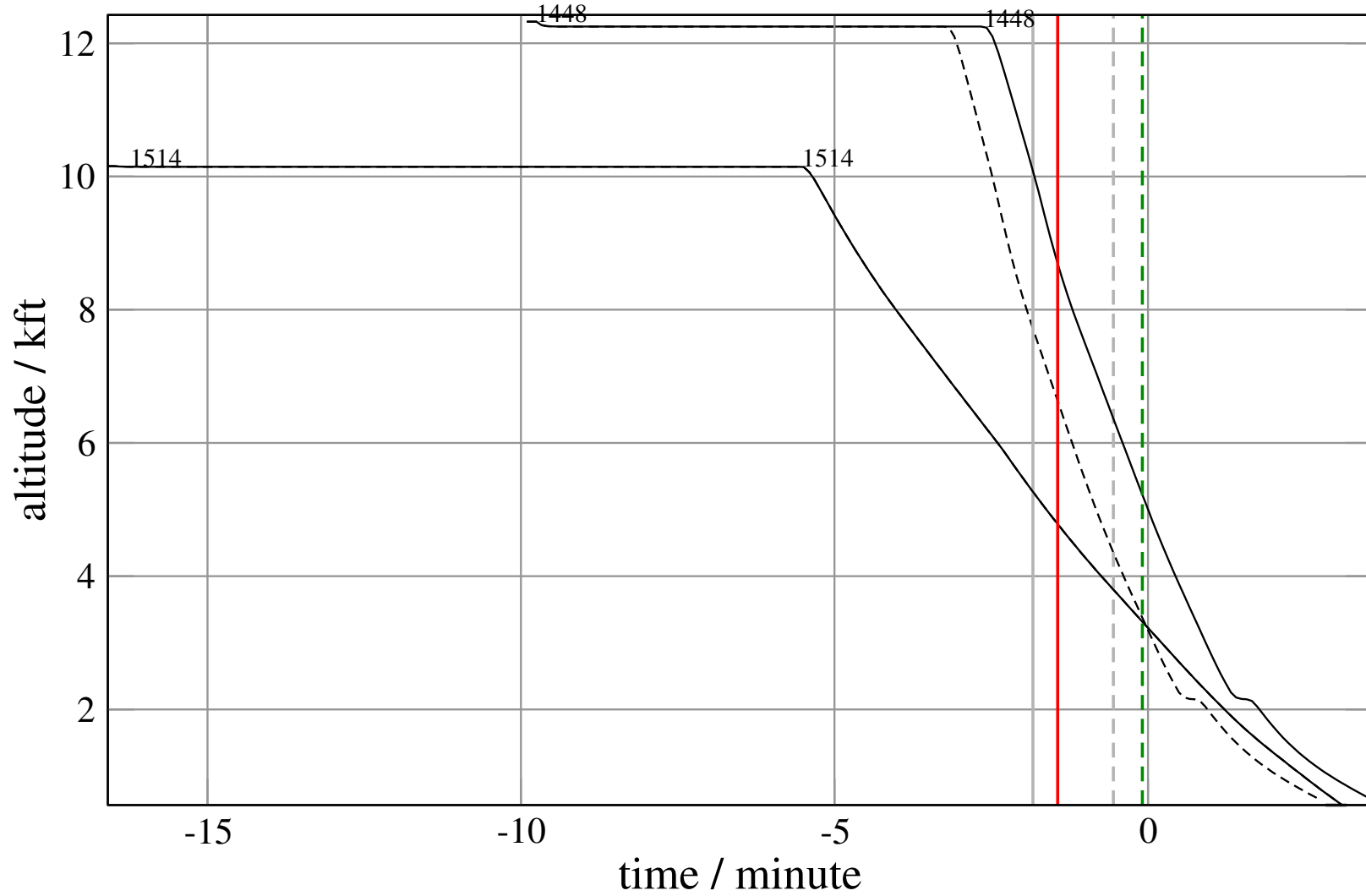
Maneuver Planview

+ A1448F-A1514D 0.582H->1.201V: A1448F speed dec 25 kn (+50 s) 1448-1514-27



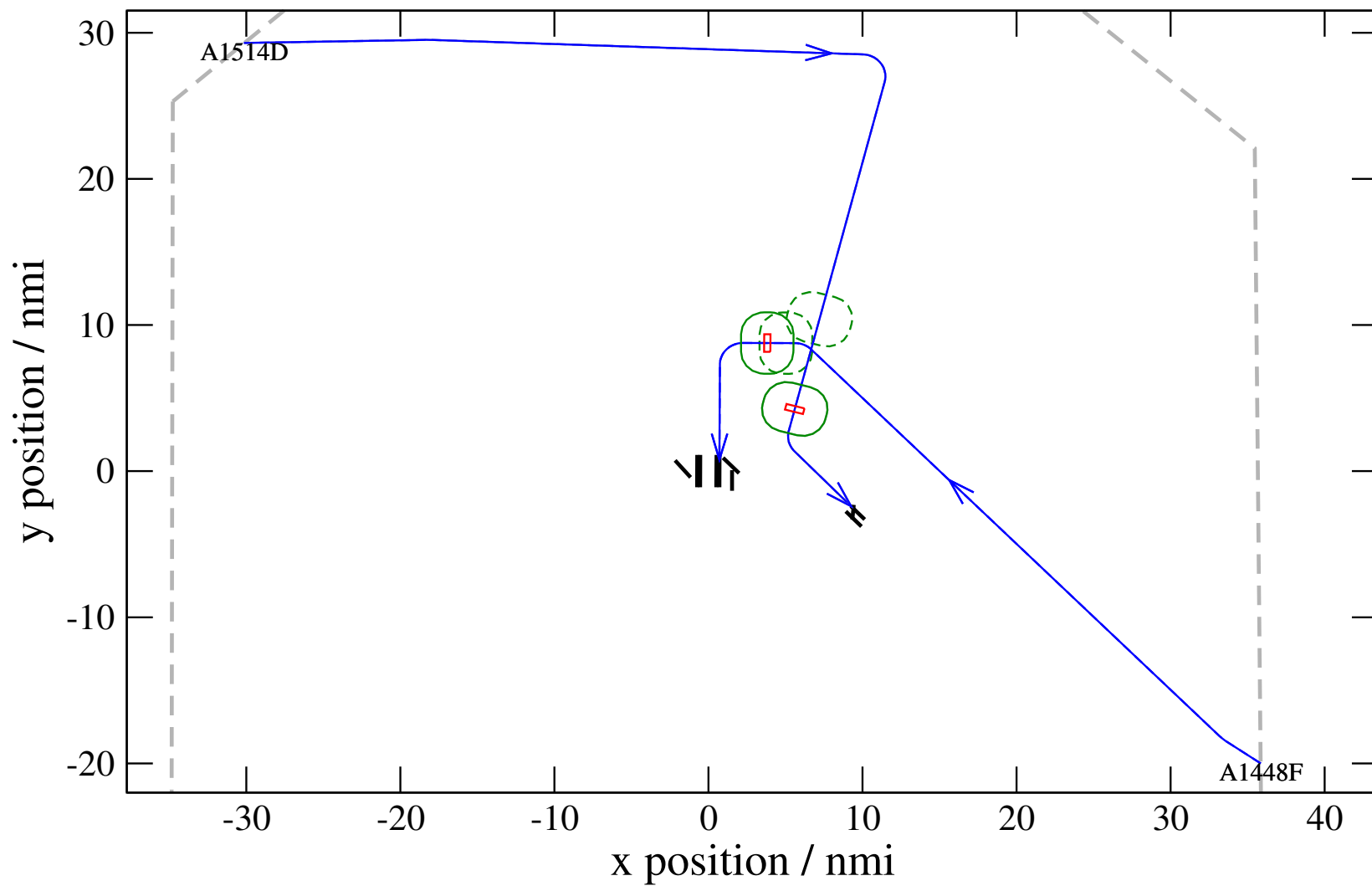
Maneuver Altitude Profiles

+ A1448F-A1514D 0.582H->1.201V: A1448F speed dec 25 kn (+50 s) 1448-1514-27



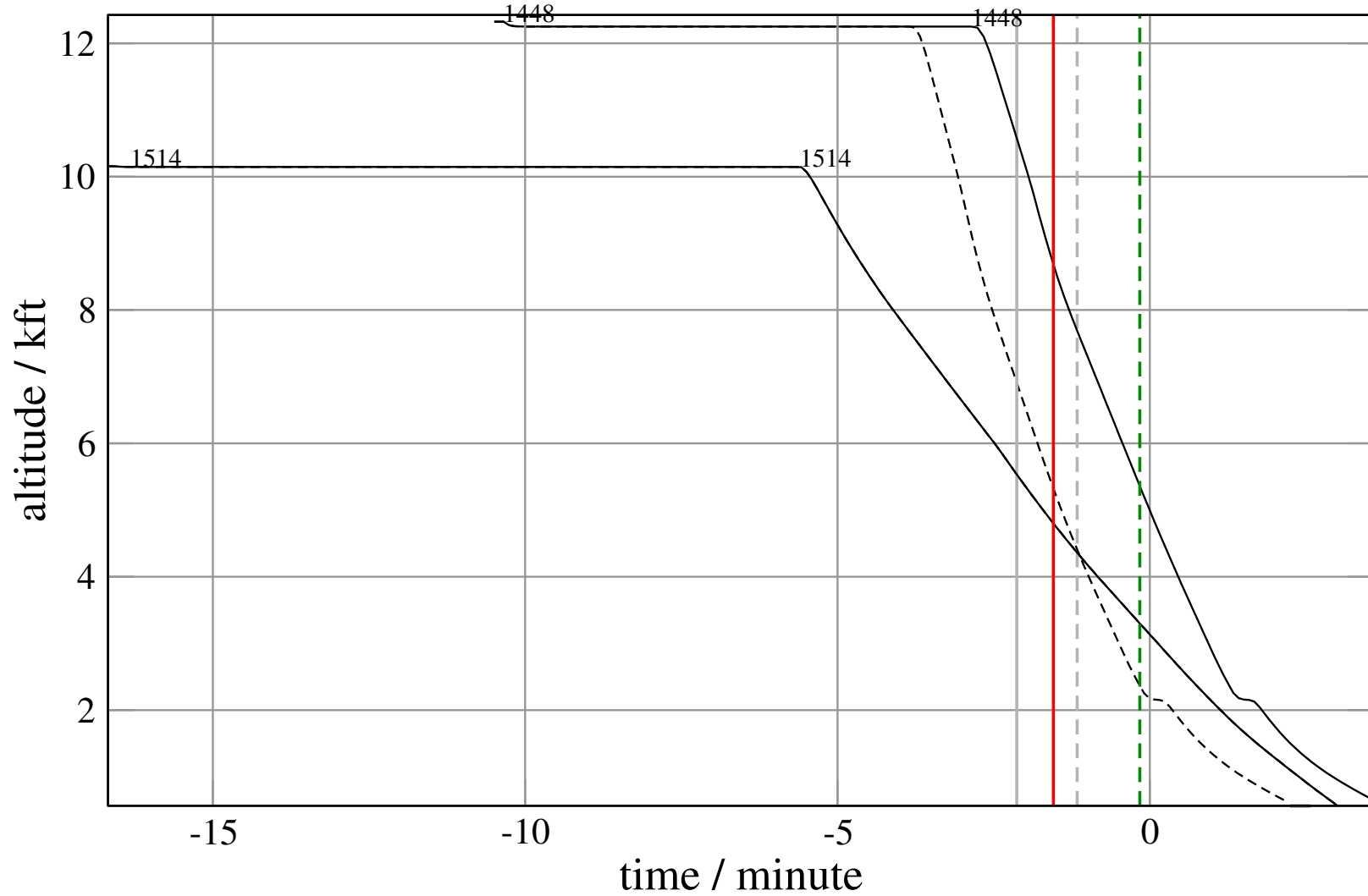
Maneuver Planview

+ A1448F-A1514D 0.547H->1.285H: A1448F speed dec 40 kn (+86 s) 1448-1514-28



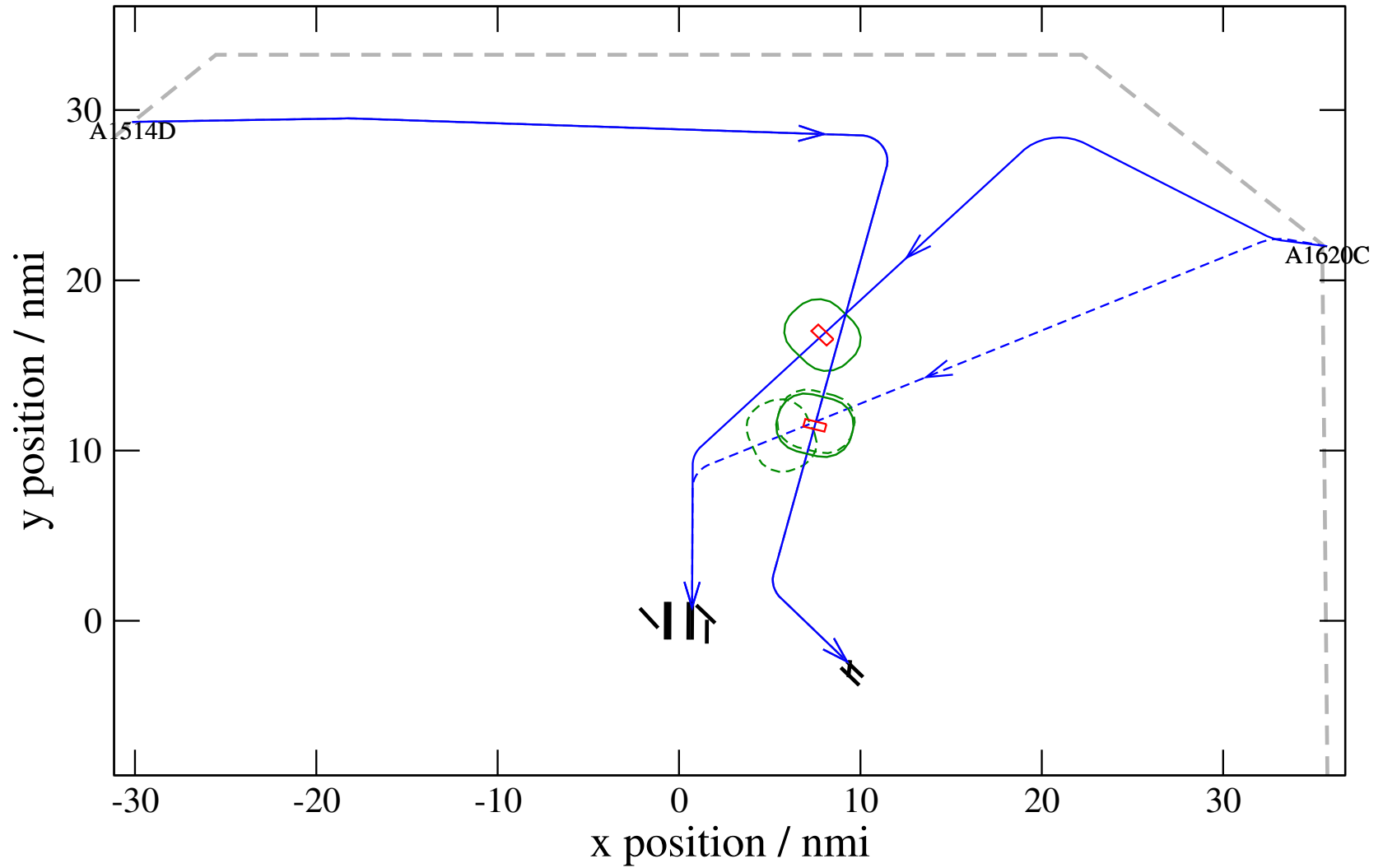
Maneuver Altitude Profiles

+ A1448F-A1514D 0.547H->1.285H: A1448F speed dec 40 kn (+86 s) 1448-1514-28



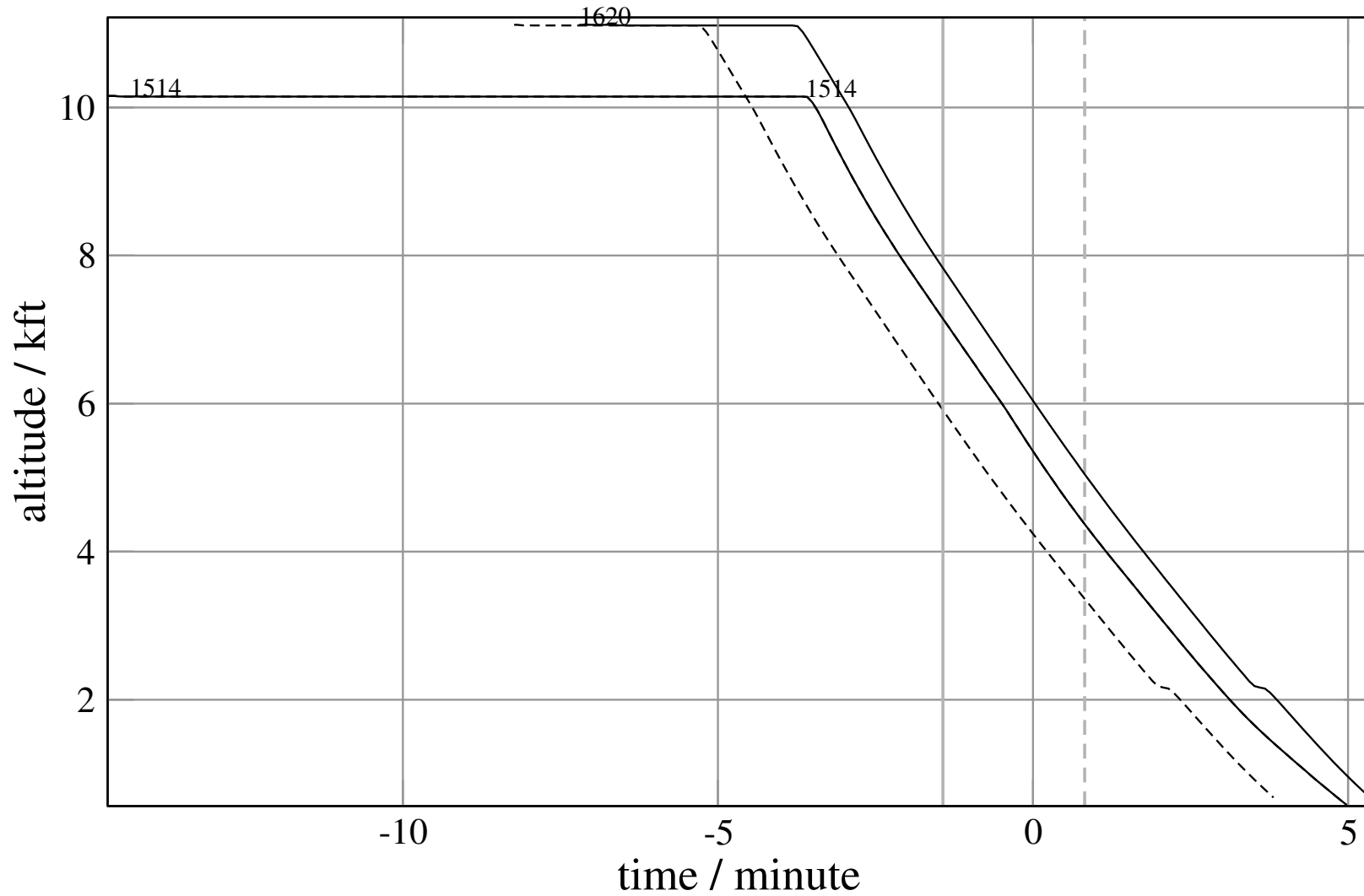
Maneuver Planview

+ A1620C-A1514D 0.612V->1.490H: A1620C reroute 50 deg, 14 nm, 9 nm (+92 s) 1514-1620-38



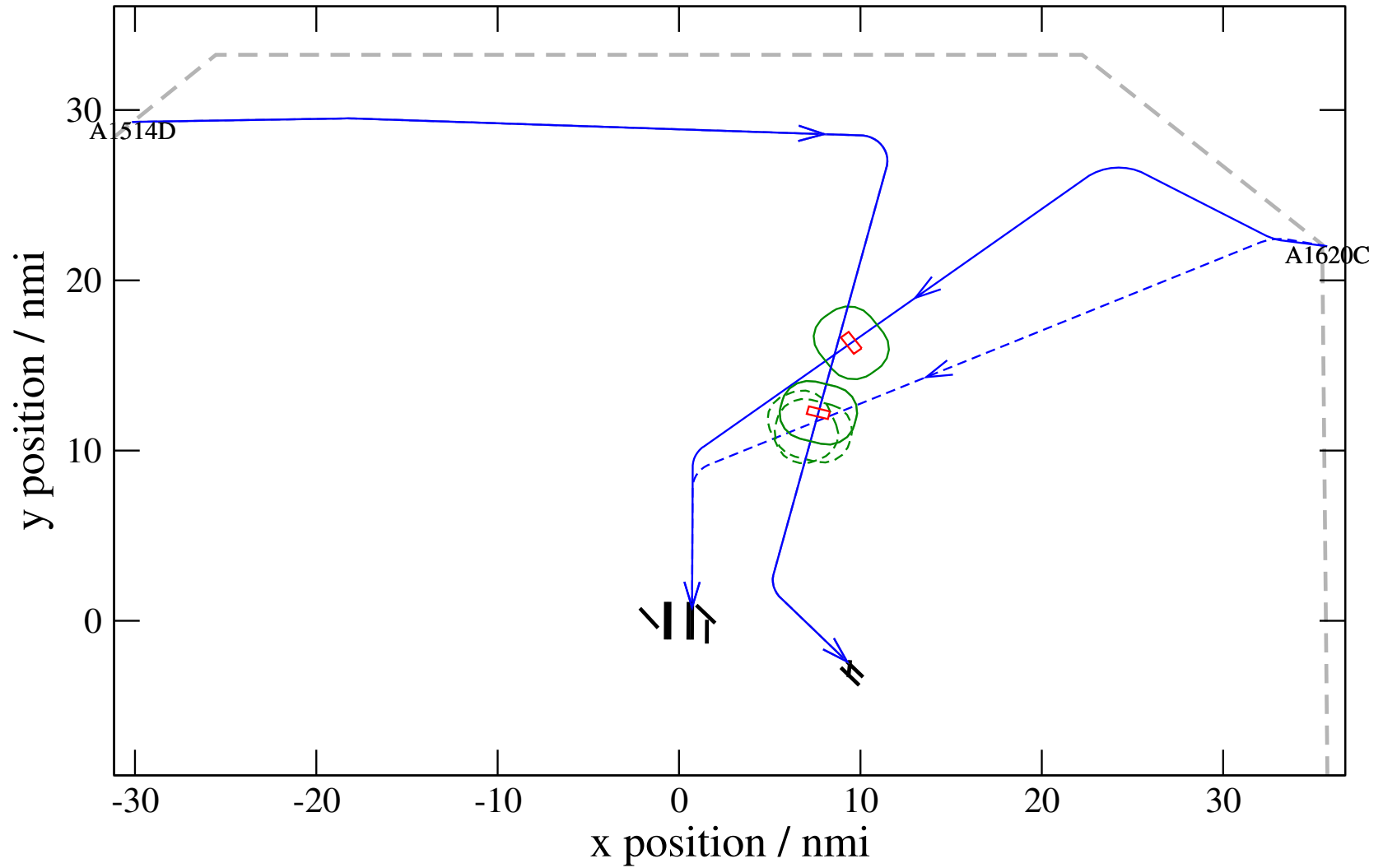
Maneuver Altitude Profiles

+ A1620C-A1514D 0.612V->1.490H: A1620C reroute 50 deg, 14 nm, 9 nm (+92 s) 1514-1620-38



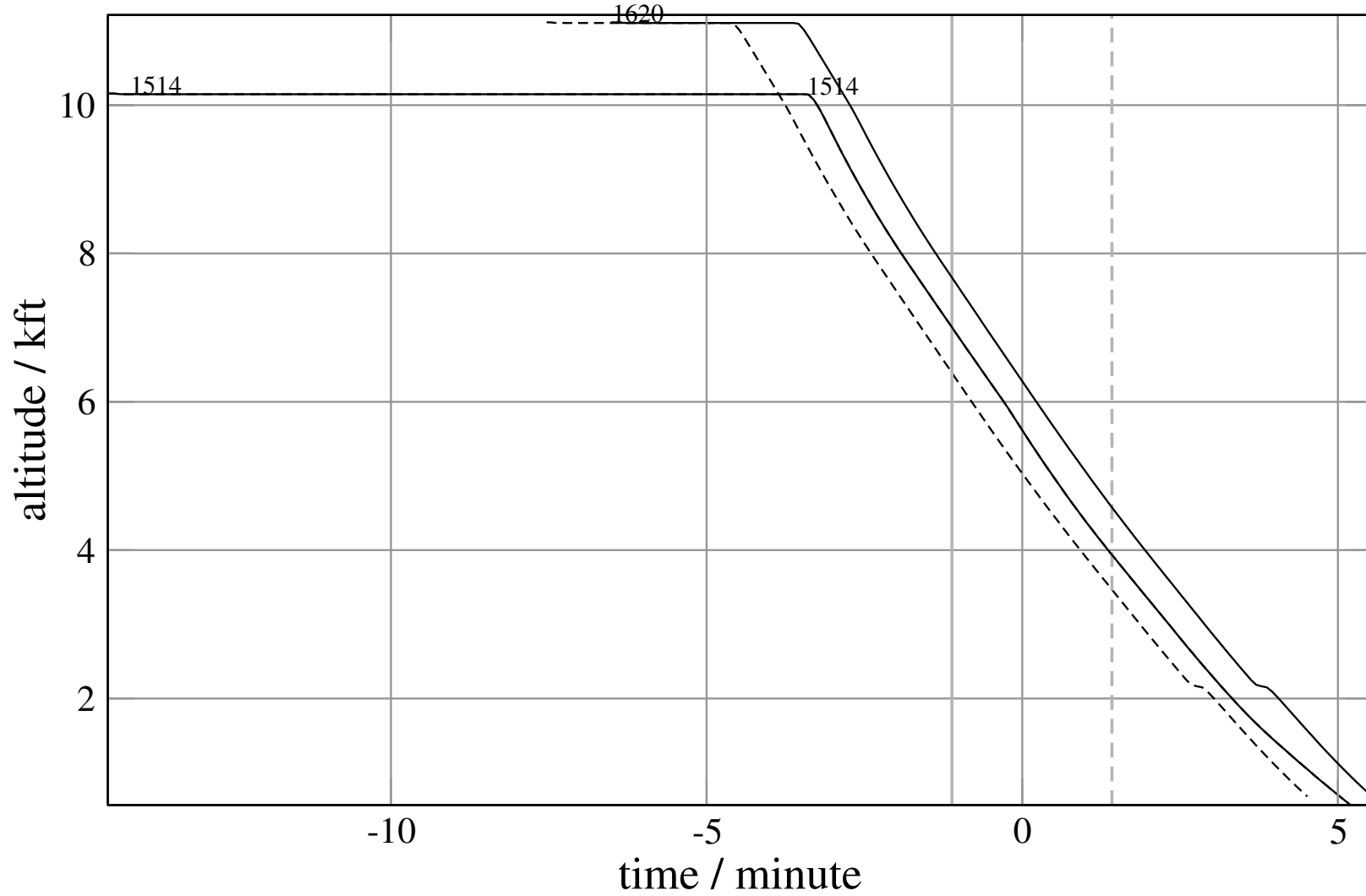
Maneuver Planview

+ A1620C-A1514D 0.000H->1.212H: A1620C reroute 50 deg, 10 nm, 9 nm (+61 s) 1514-1620-39



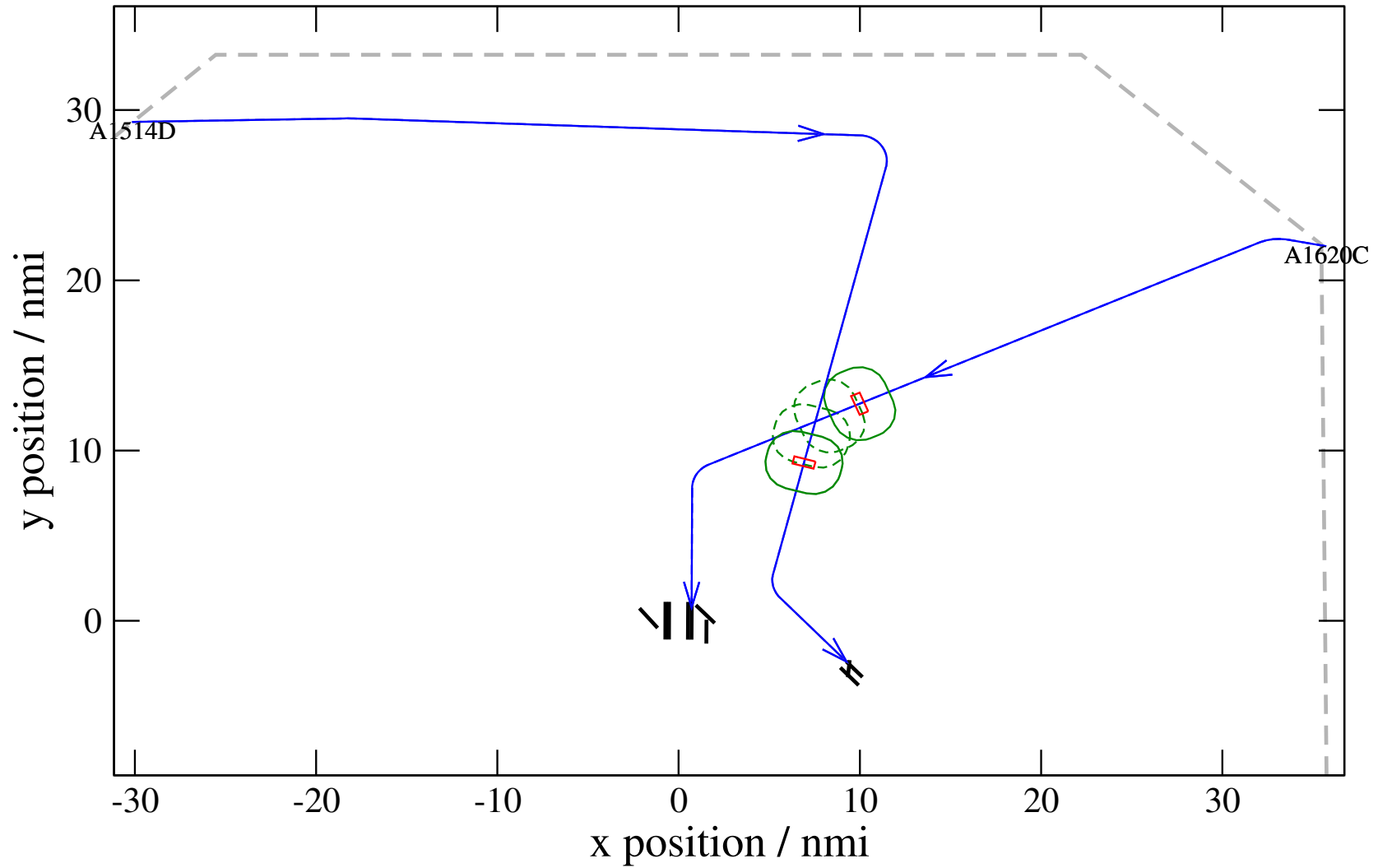
Maneuver Altitude Profiles

+ A1620C-A1514D 0.000H->1.212H: A1620C reroute 50 deg, 10 nm, 9 nm (+61 s) 1514-1620-39



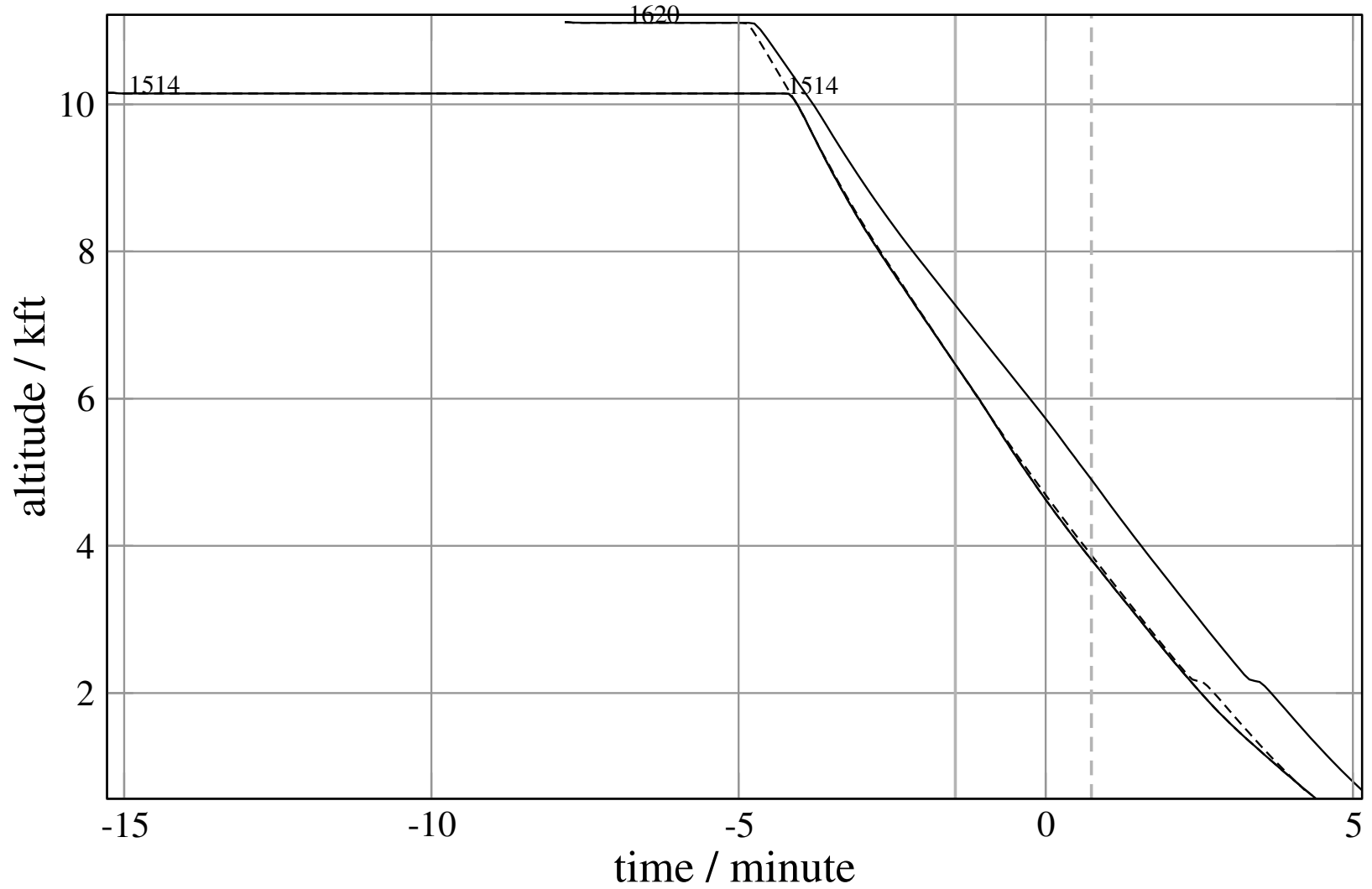
Maneuver Planview

+ A1620C-A1514D 0.194H->1.222H: A1620C speed dec 41 kn (+56 s) 1514-1620-40



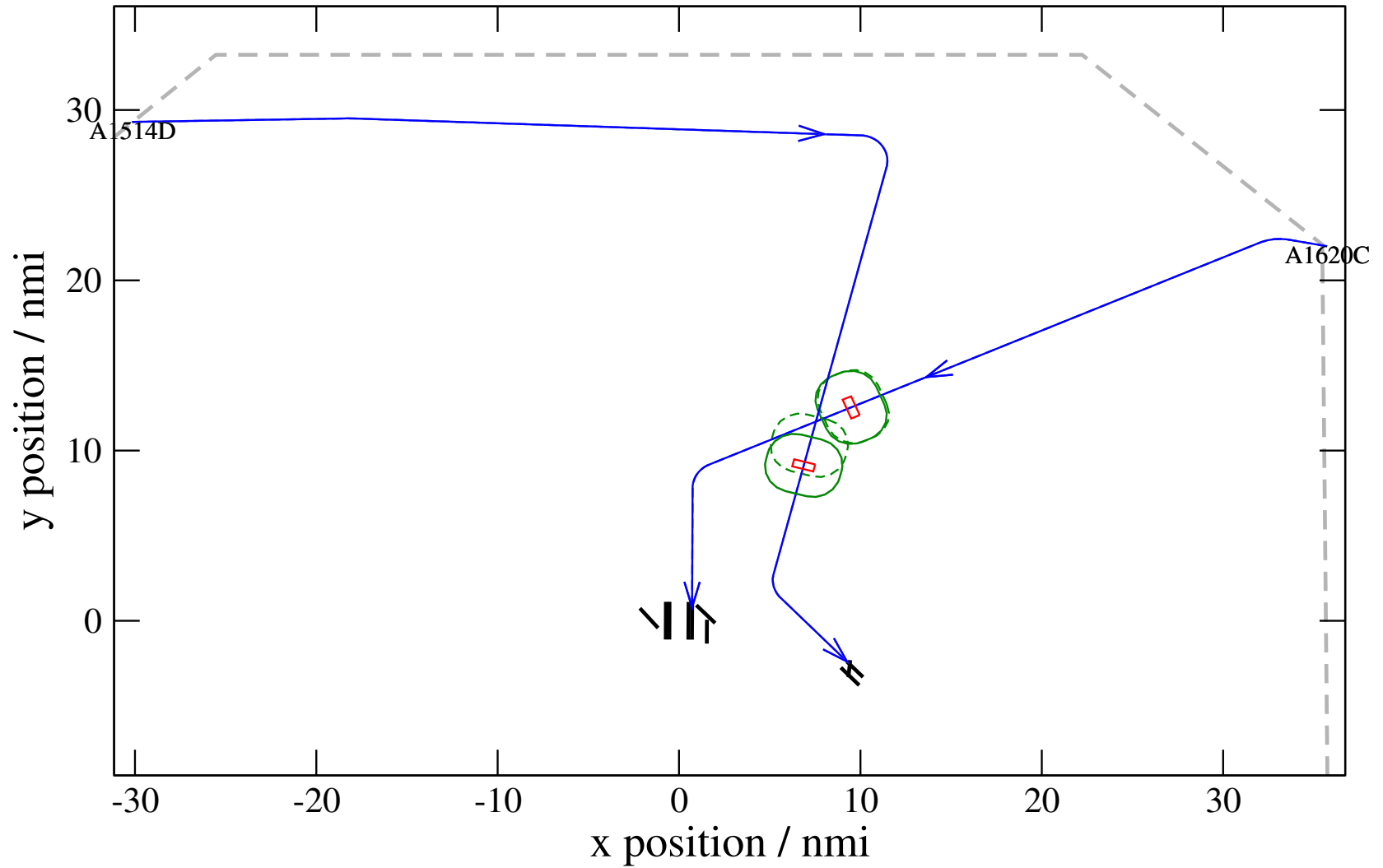
Maneuver Altitude Profiles

+ A1620C-A1514D 0.194H->1.222H: A1620C speed dec 41 kn (+56 s) 1514-1620-40



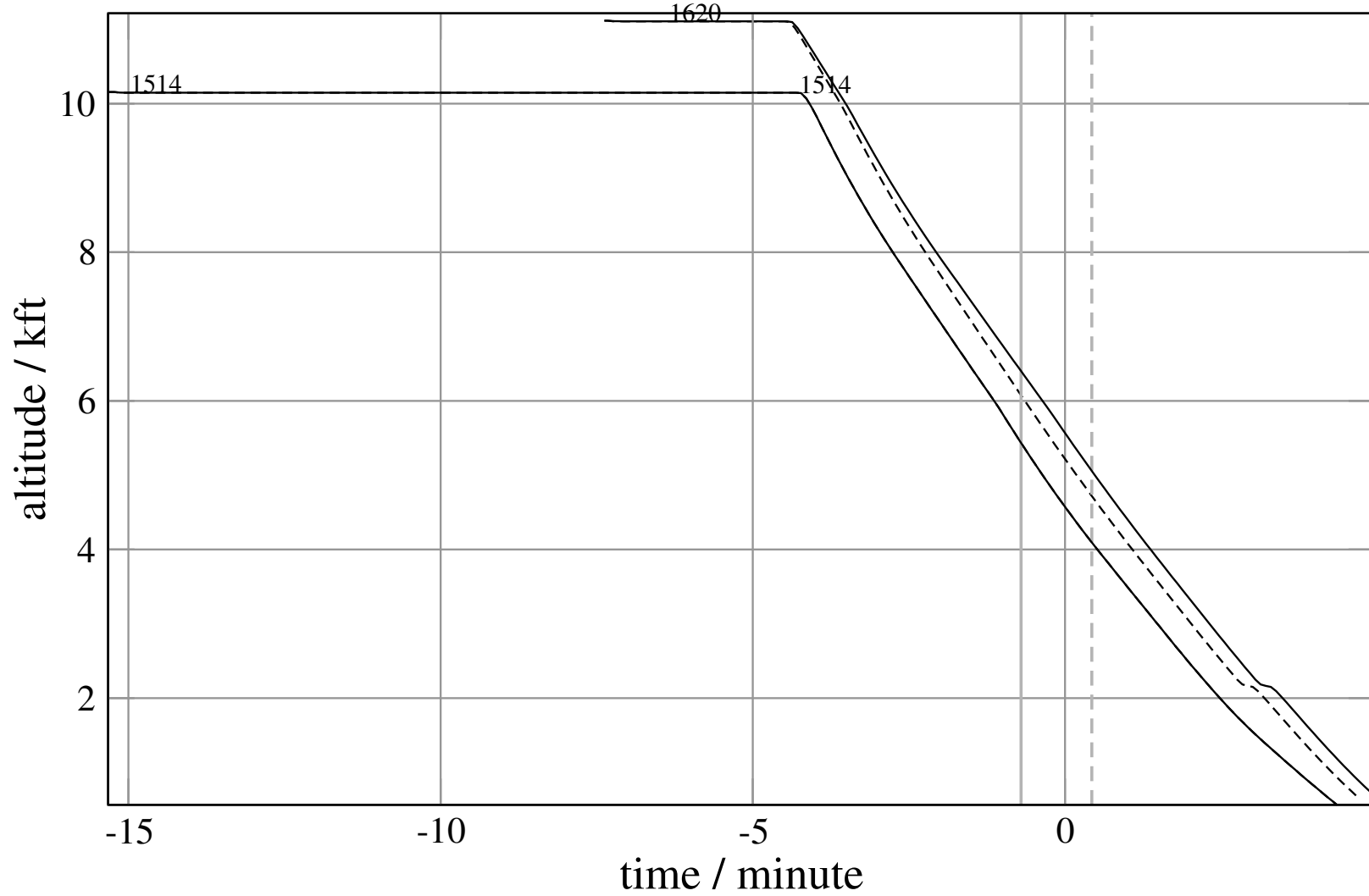
Maneuver Planview

+ A1620C-A1514D 0.792H->1.116H: A1620C speed dec 16 kn (+17 s) 1514-1620-41



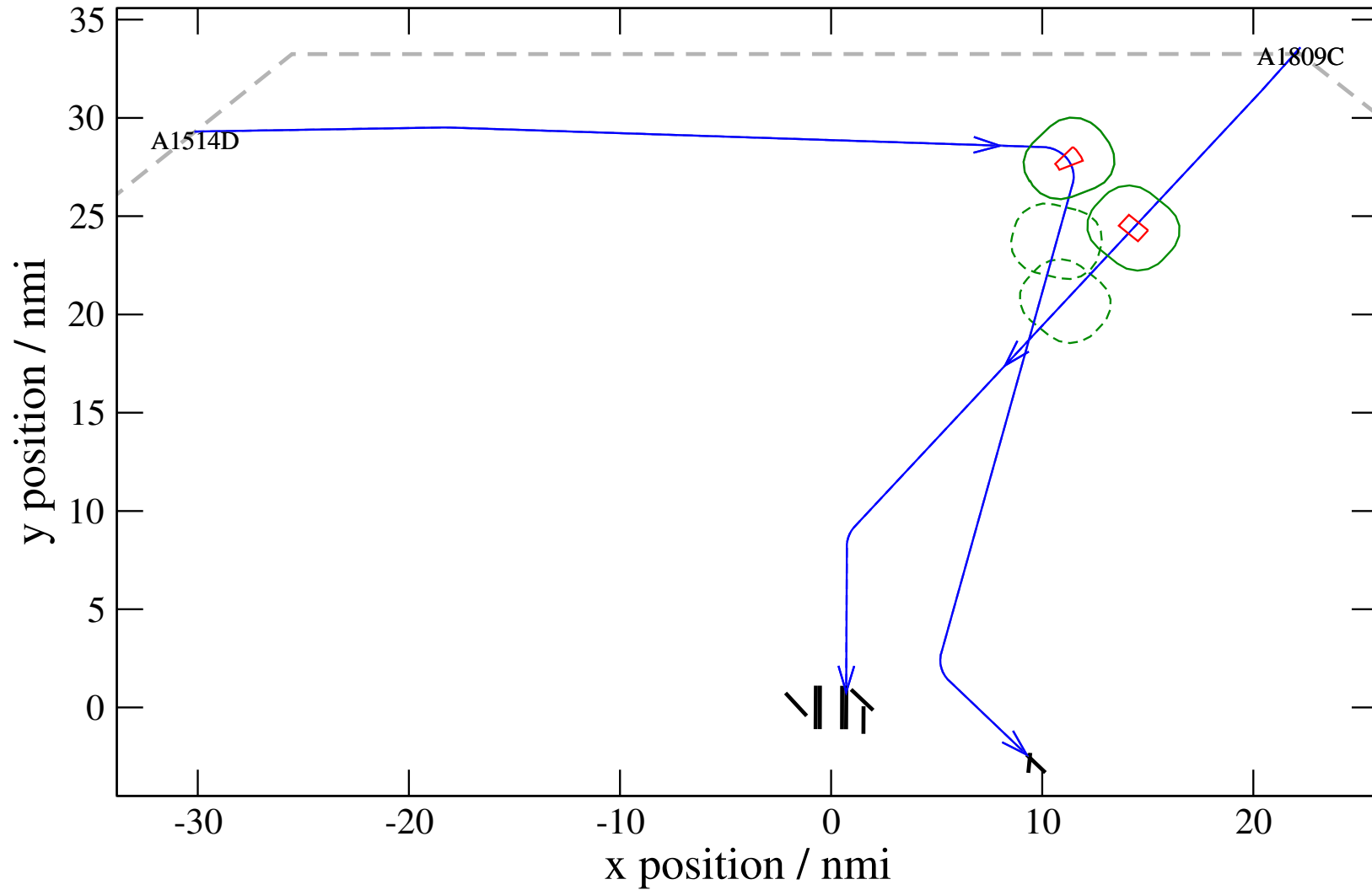
Maneuver Altitude Profiles

+ A1620C-A1514D 0.792H->1.116H: A1620C speed dec 16 kn (+17 s) 1514-1620-41



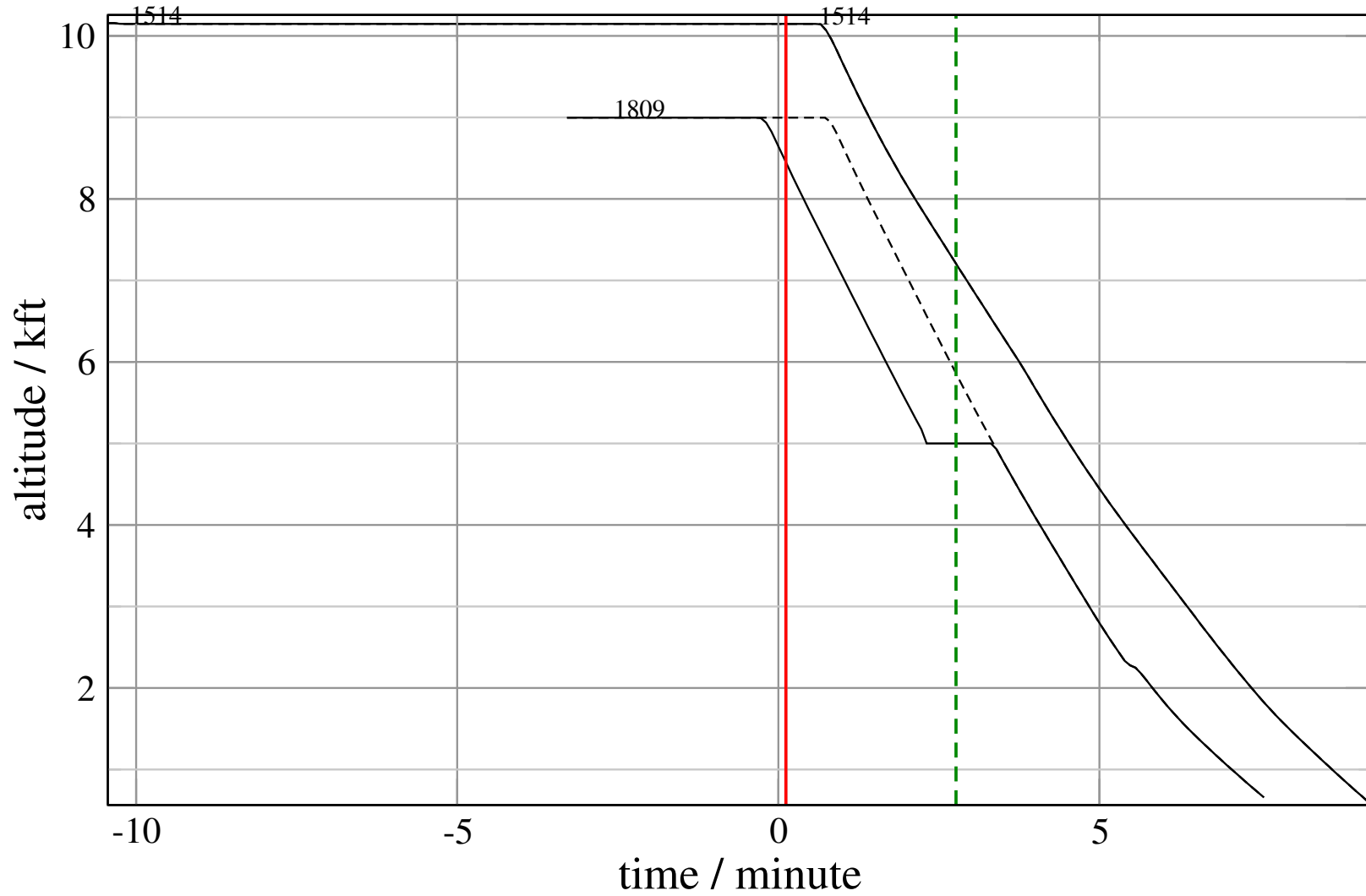
Maneuver Planview

+ A1809C-A1514D 0.669H->1.172H: A1809C temp alt 5.0 kft, 1.0 Min (+0 s) 1514-1809-37



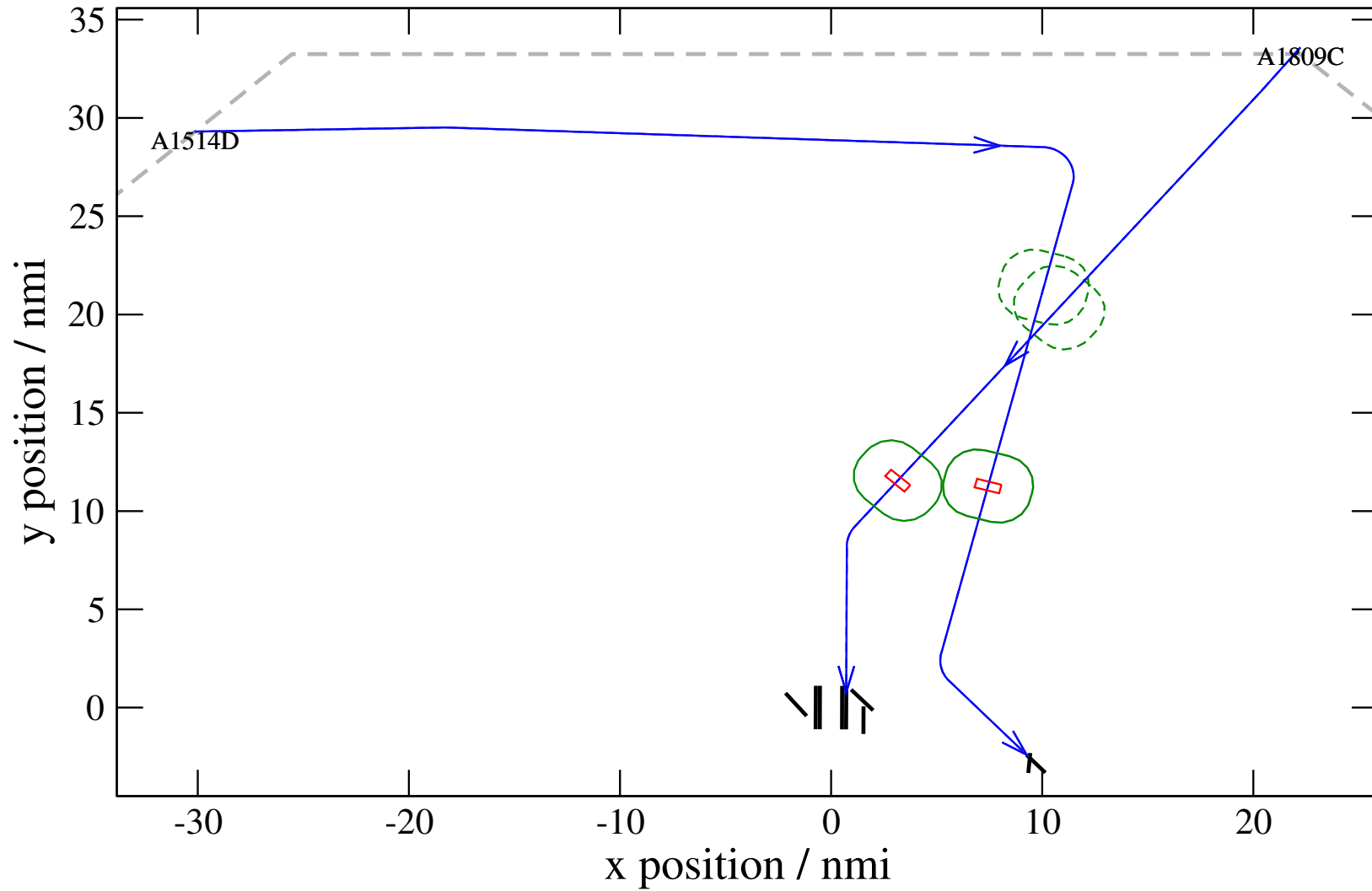
Maneuver Altitude Profiles

+ A1809C-A1514D 0.669H->1.172H: A1809C temp alt 5.0 kft, 1.0 Min (+0 s) 1514-1809-37



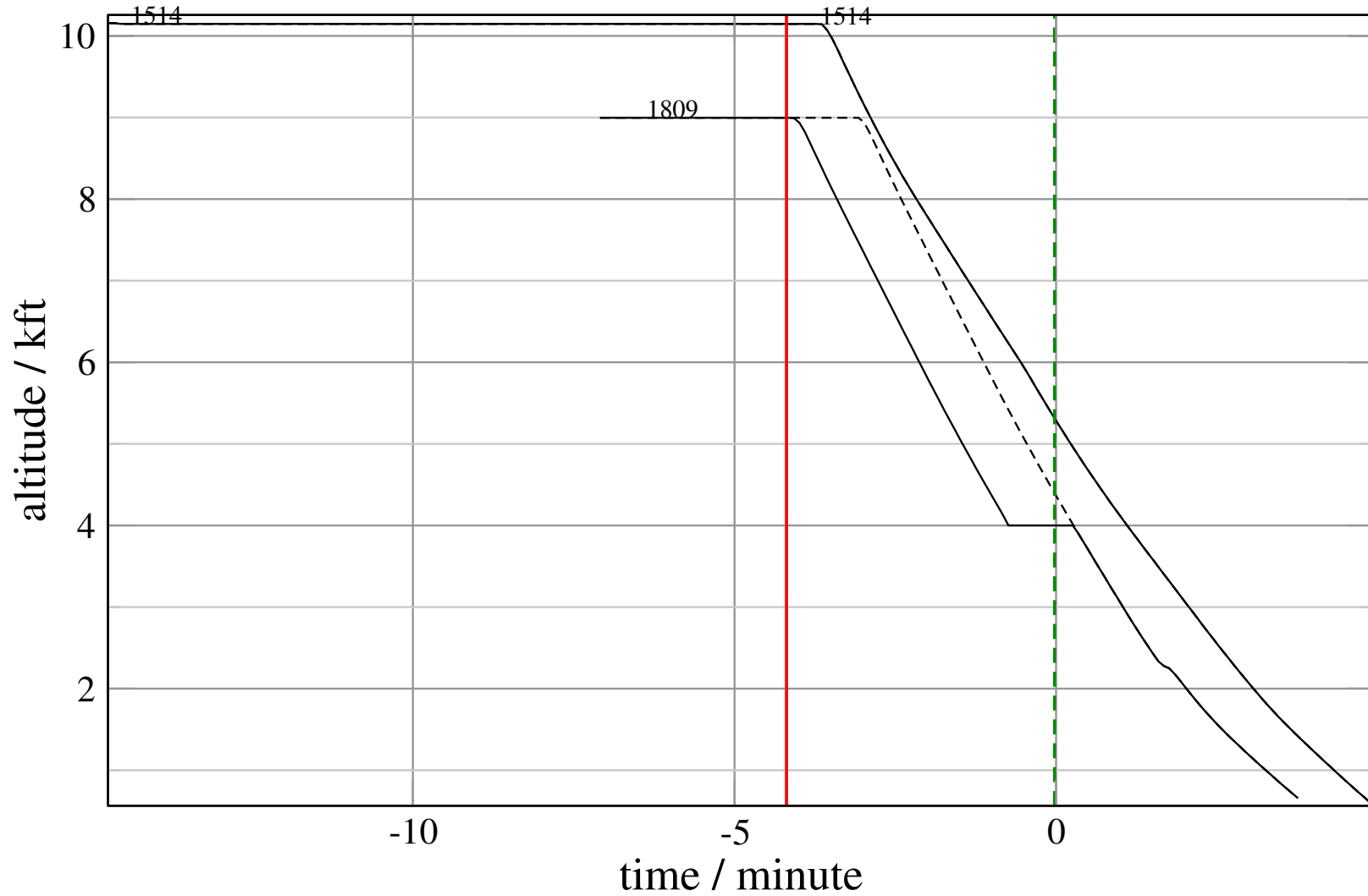
Maneuver Planview

+ A1809C-A1514D 0.000H->1.016H: A1809C temp alt 4.0 kft, 1.0 Min (+0 s) 1514-1809-38



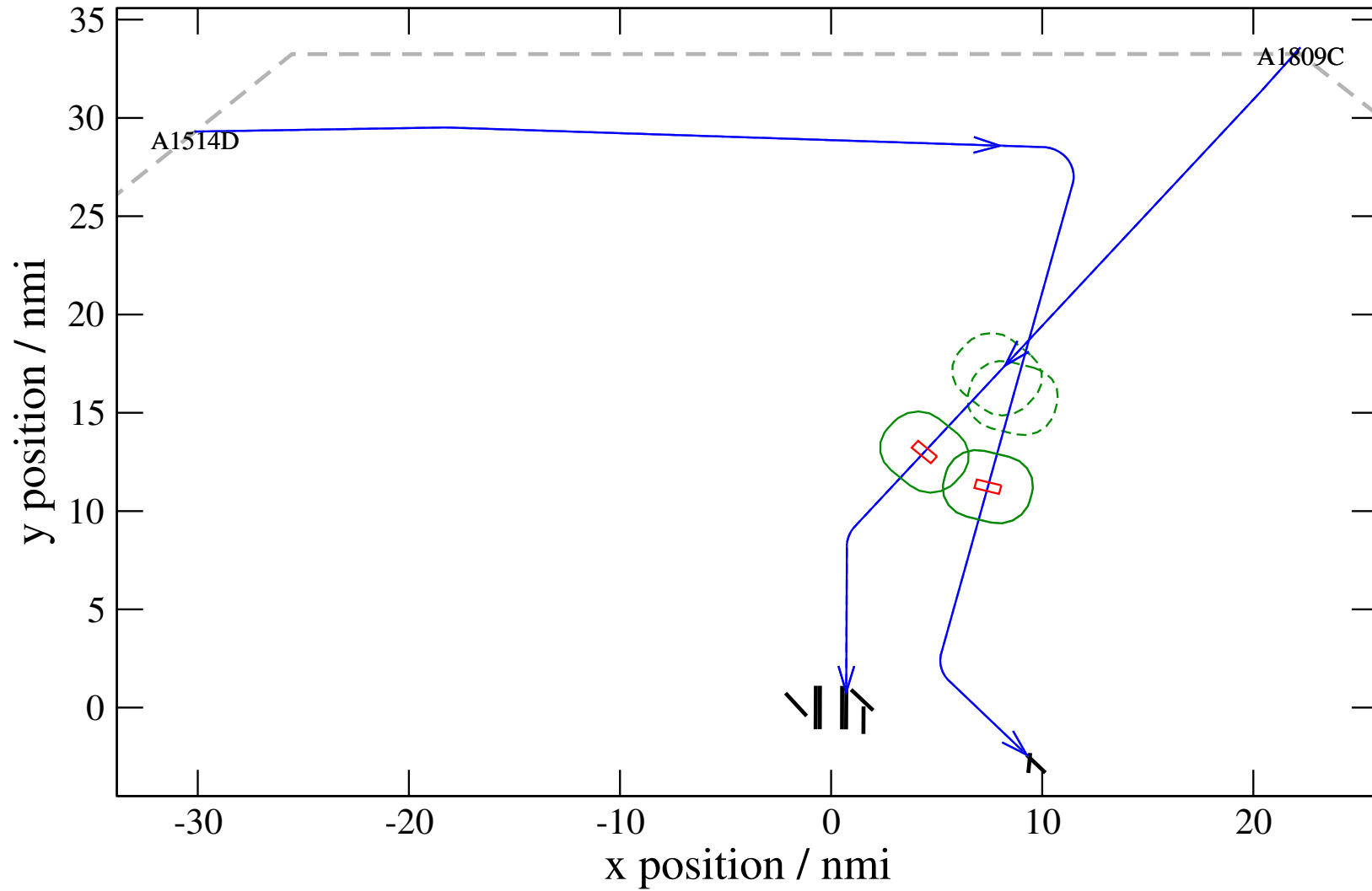
Maneuver Altitude Profiles

+ A1809C-A1514D 0.000H->1.016H: A1809C temp alt 4.0 kft, 1.0 Min (+0 s) 1514-1809-38



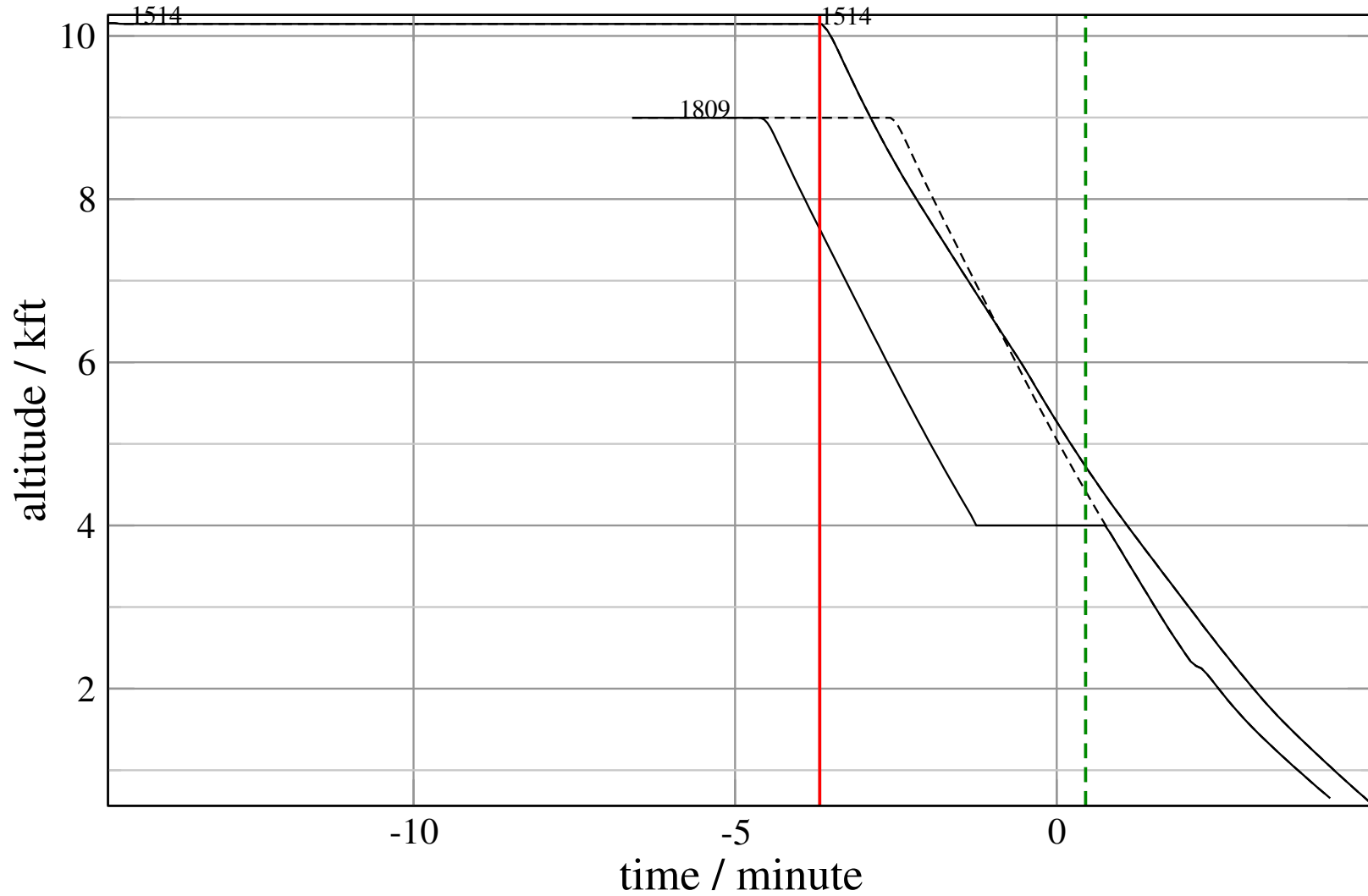
Maneuver Planview

+ A1809C-A1514D 0.076H->1.000H(div): A1809C temp alt 4.0 kft, 2.0 Min (+0 s) 1514-1809-39



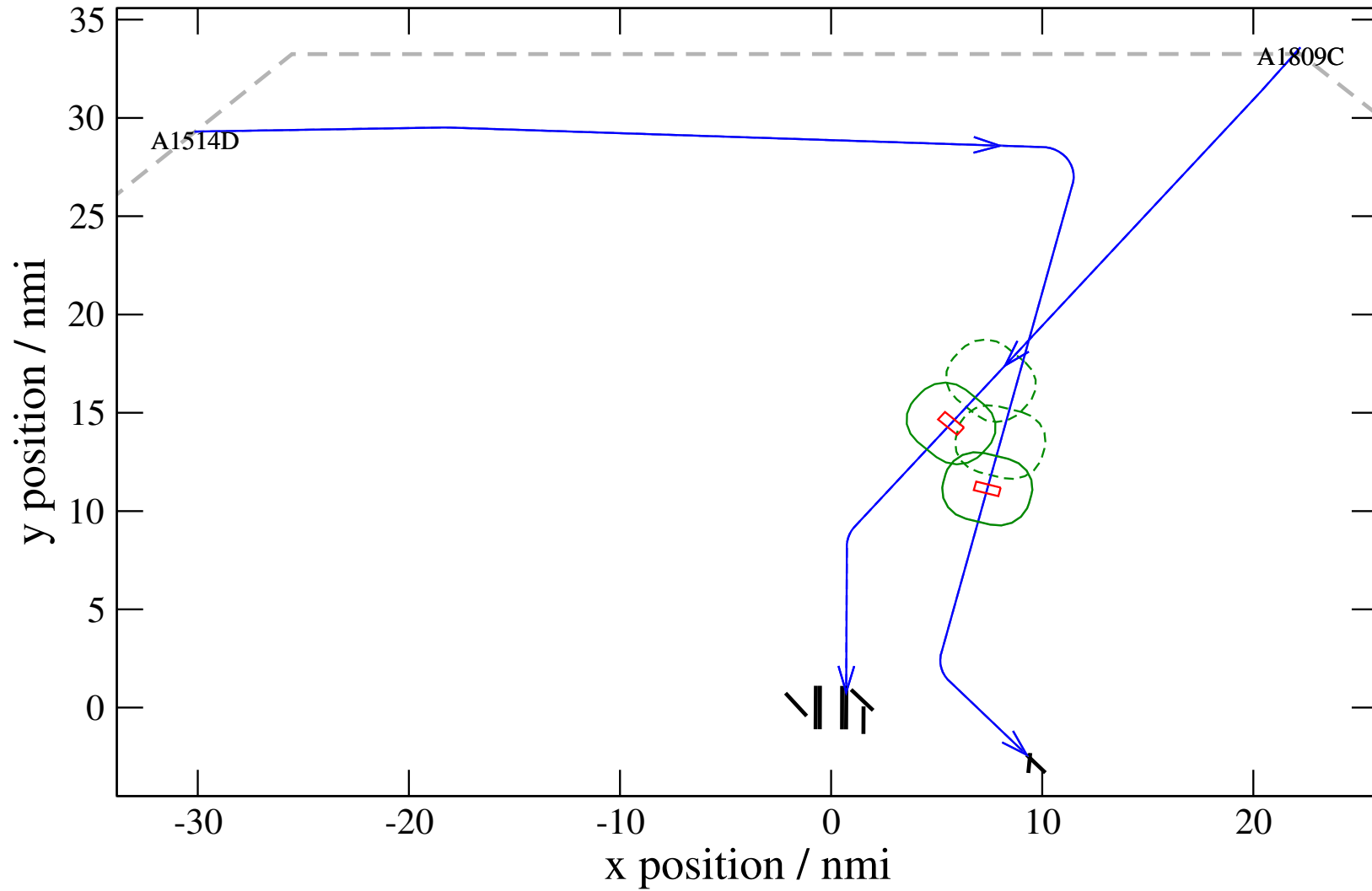
Maneuver Altitude Profiles

+ A1809C-A1514D 0.076H->1.000H(div): A1809C temp alt 4.0 kft, 2.0 Min (+0 s) 1514-1809-39



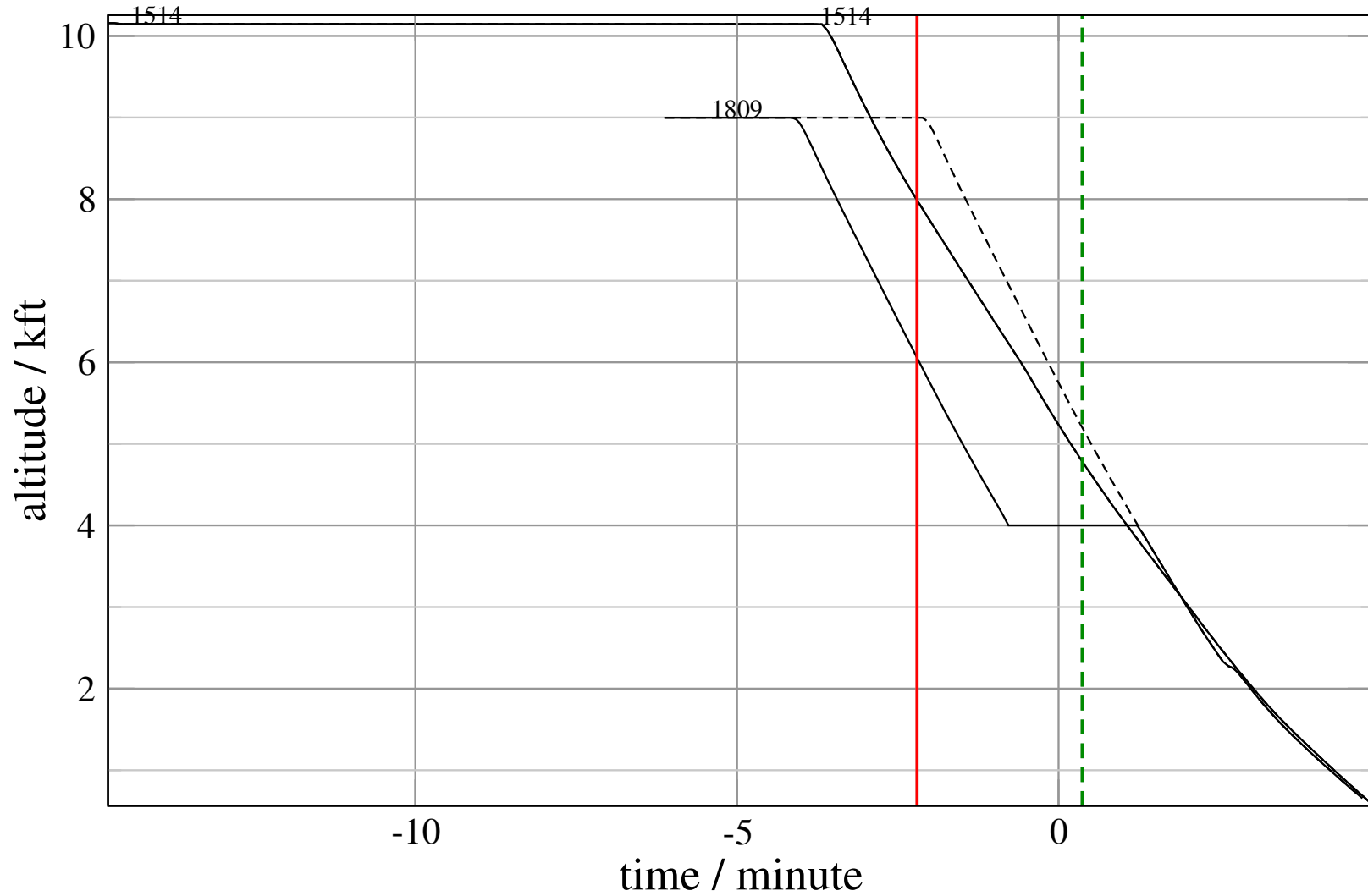
Maneuver Planview

+ A1809C-A1514D 0.724H->1.000H(div): A1809C temp alt 4.0 kft, 2.0 Min (+0 s) 1514-1809-40



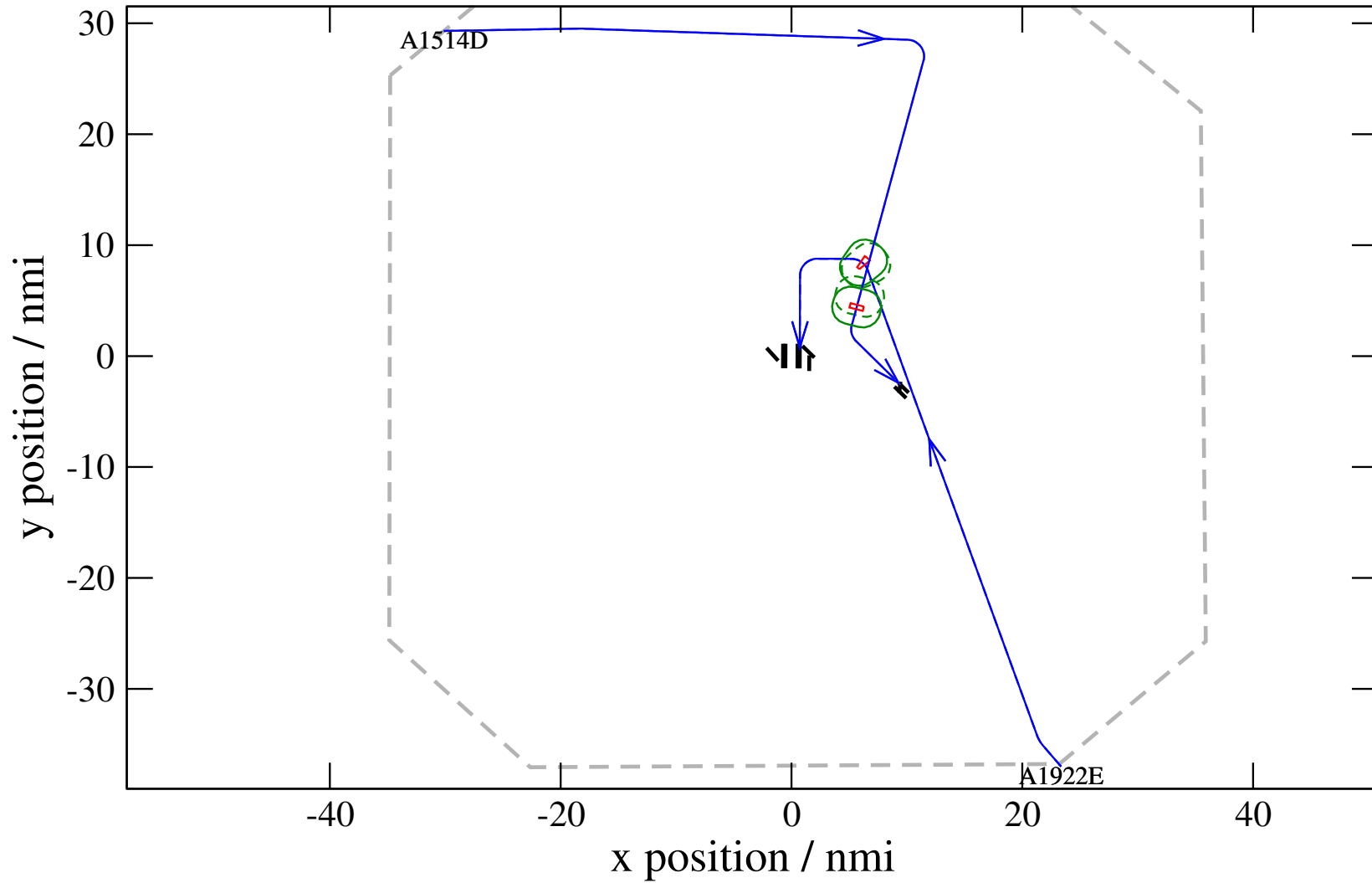
Maneuver Altitude Profiles

+ A1809C-A1514D 0.724H->1.000H(div): A1809C temp alt 4.0 kft, 2.0 Min (+0 s) 1514-1809-40



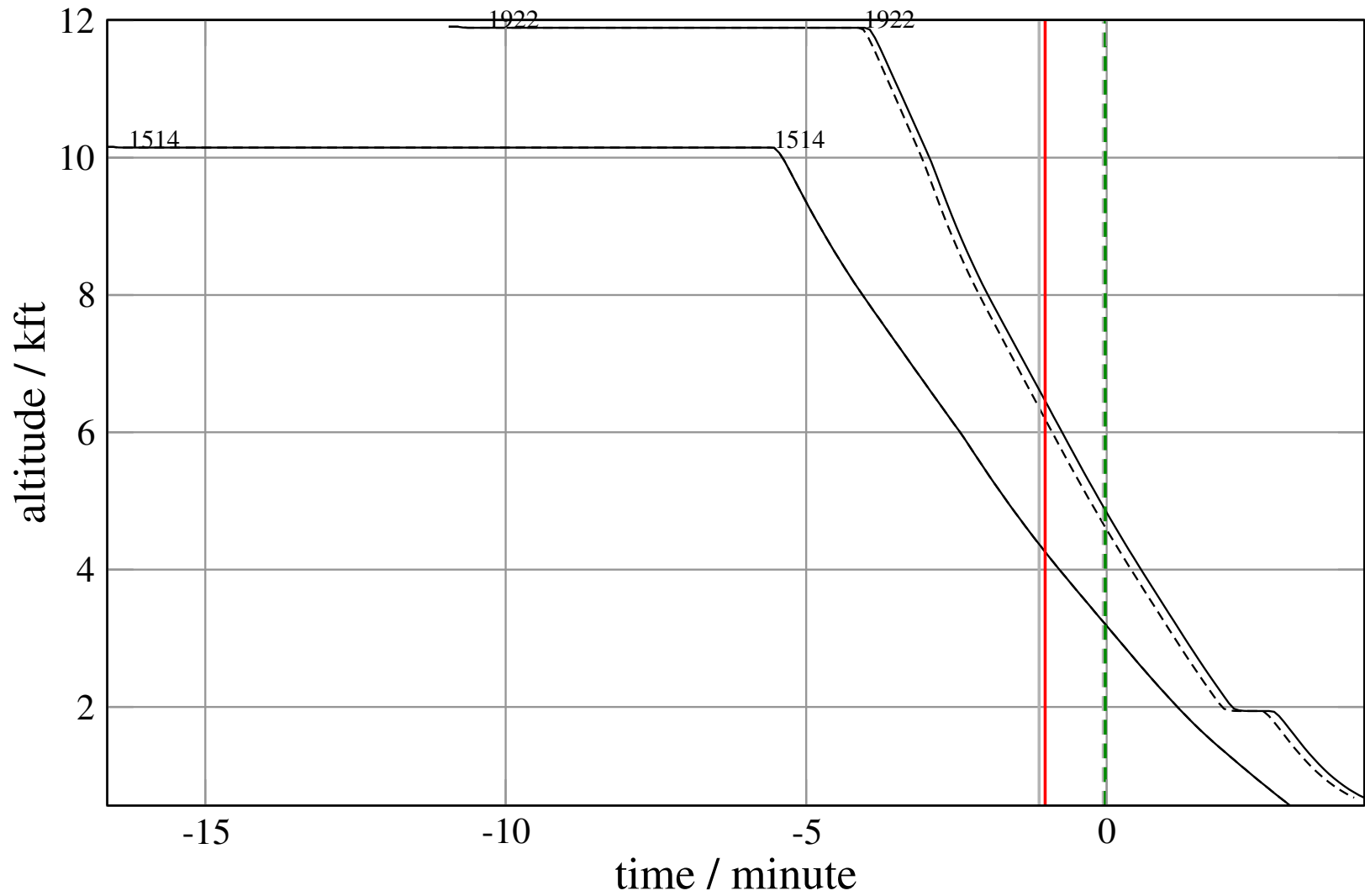
Maneuver Planview

+ A1922E-A1514D 0.977V->1.104V: A1922E speed dec 5 kn (+10 s) 1922-1514-29



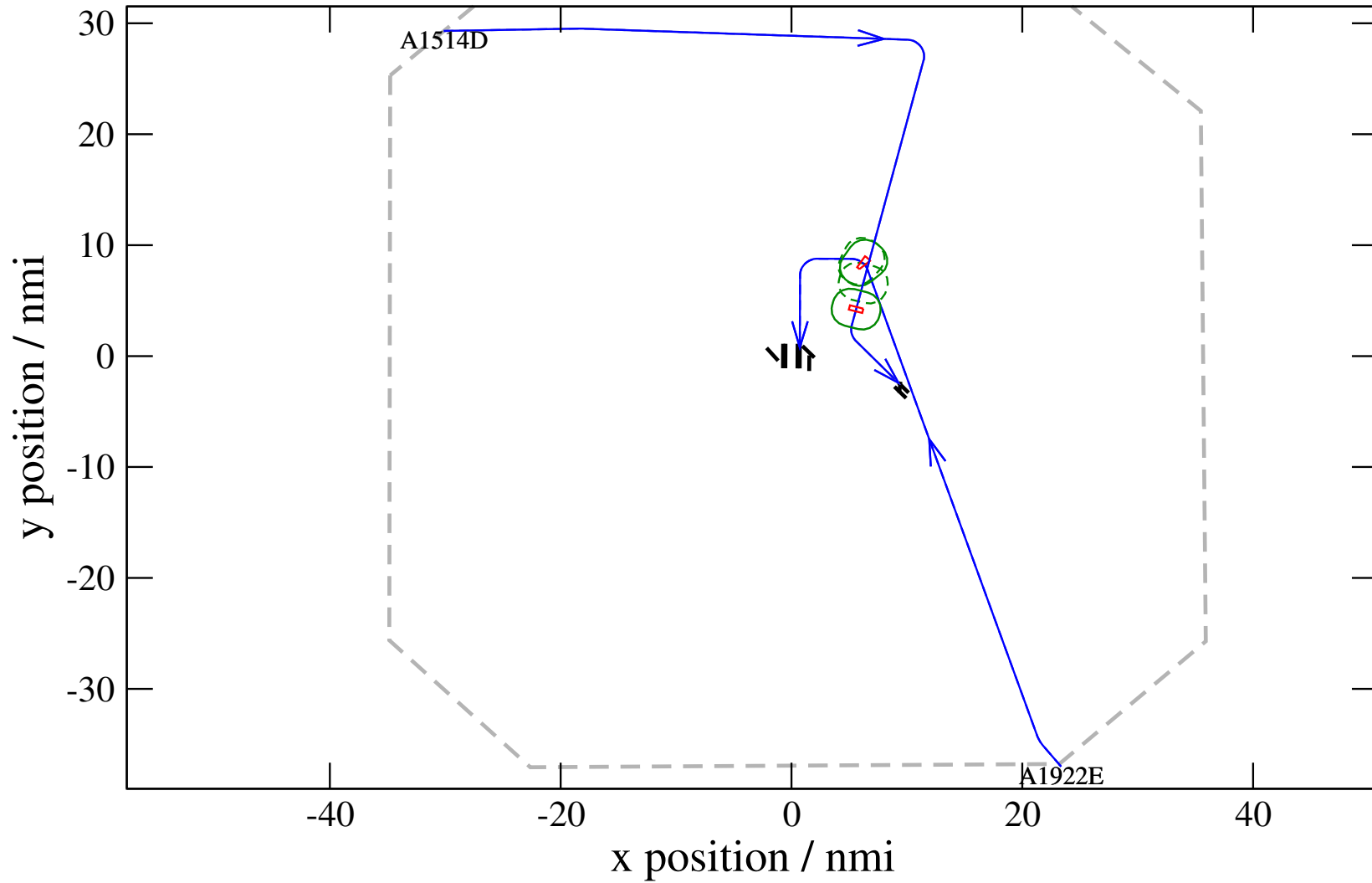
Maneuver Altitude Profiles

+ A1922E-A1514D 0.977V->1.104V: A1922E speed dec 5 kn (+10 s) 1922-1514-29



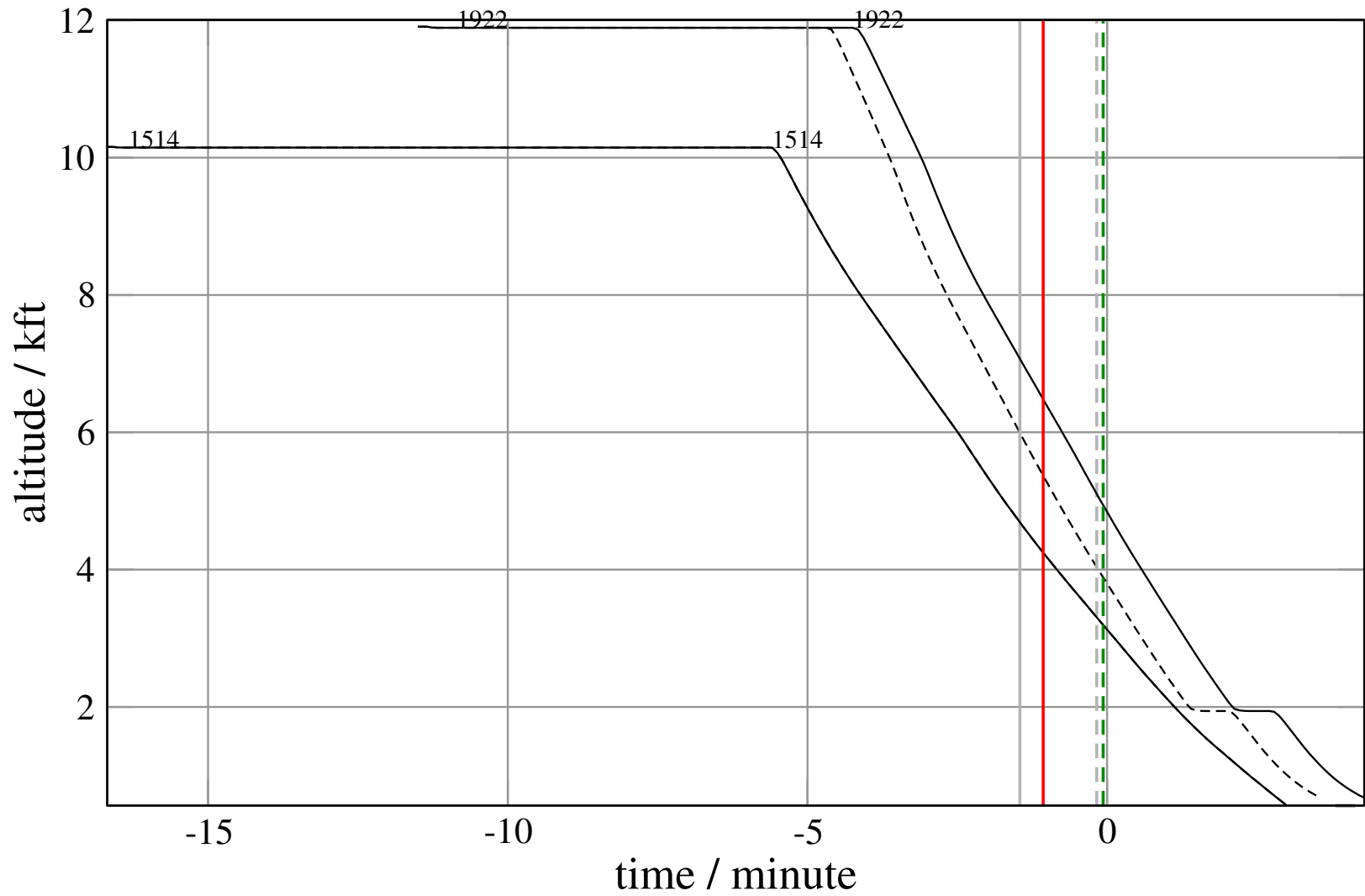
Maneuver Planview

+ A1922E-A1514D 0.383H->1.165V: A1922E speed dec 20 kn (+43 s) 1922-1514-30



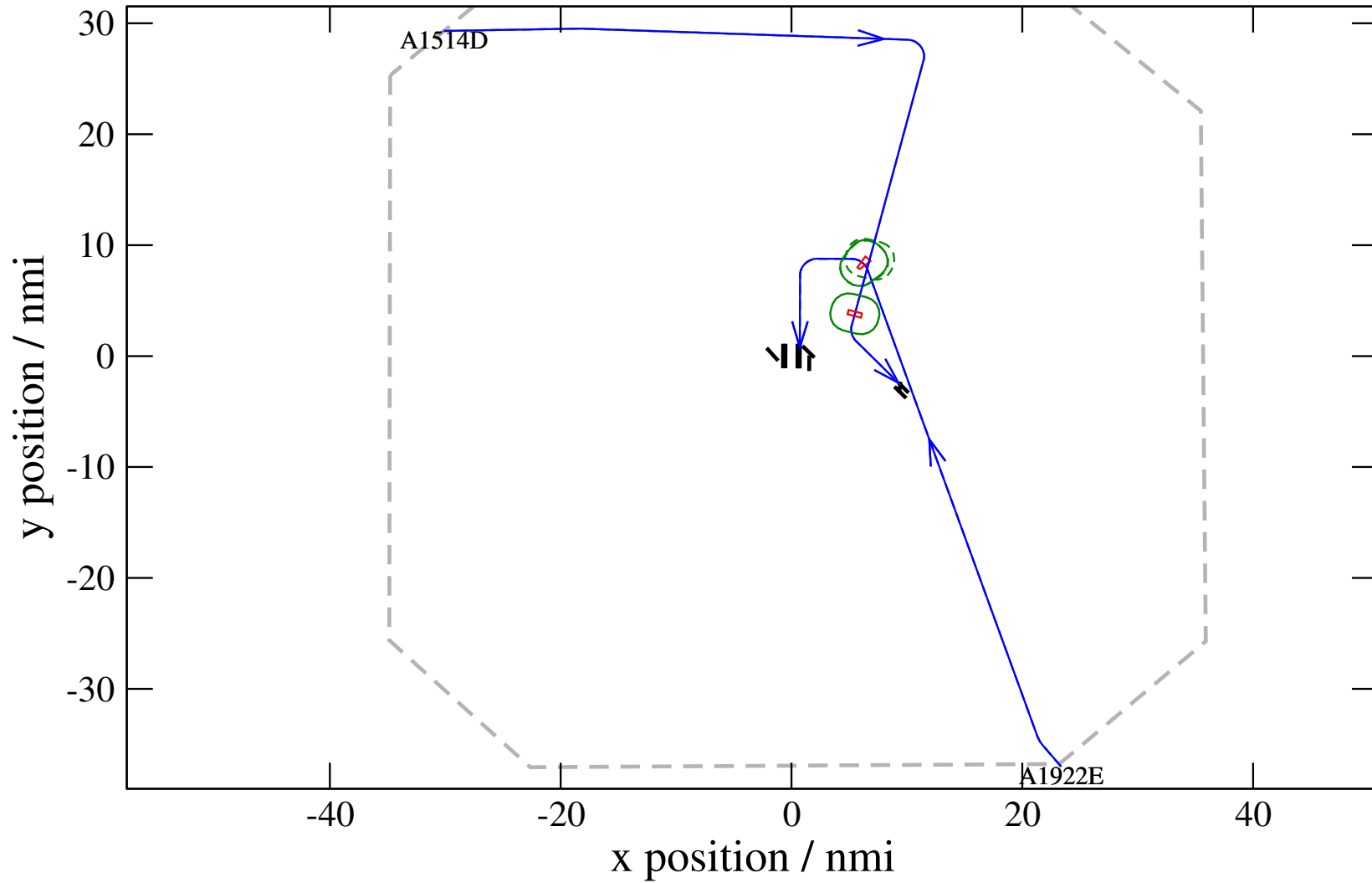
Maneuver Altitude Profiles

+ A1922E-A1514D 0.383H->1.165V: A1922E speed dec 20 kn (+43 s) 1922-1514-30



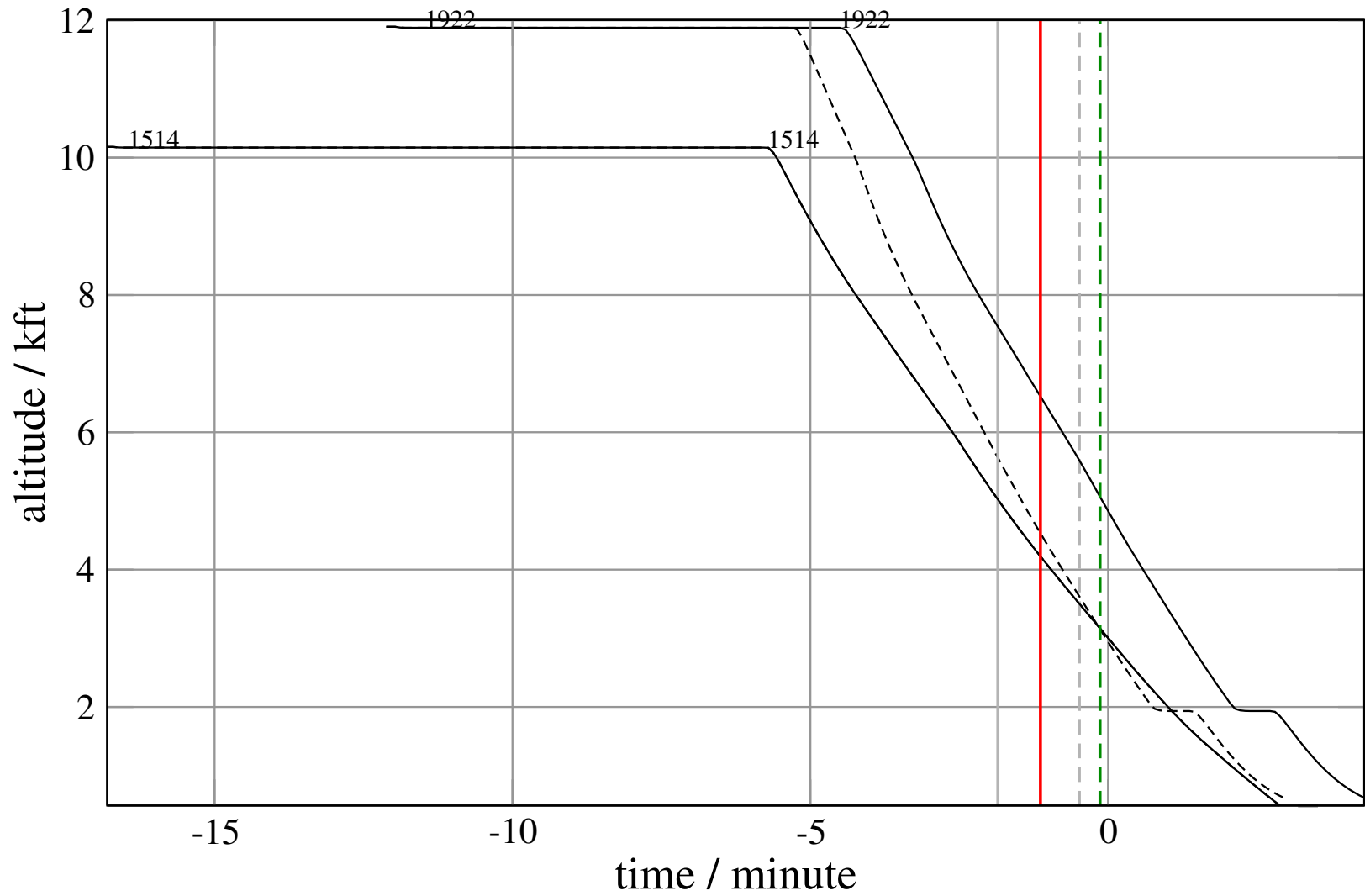
Maneuver Planview

+ A1922E-A1514D 0.000H->1.316V: A1922E speed dec 35 kn (+81 s) 1922-1514-31



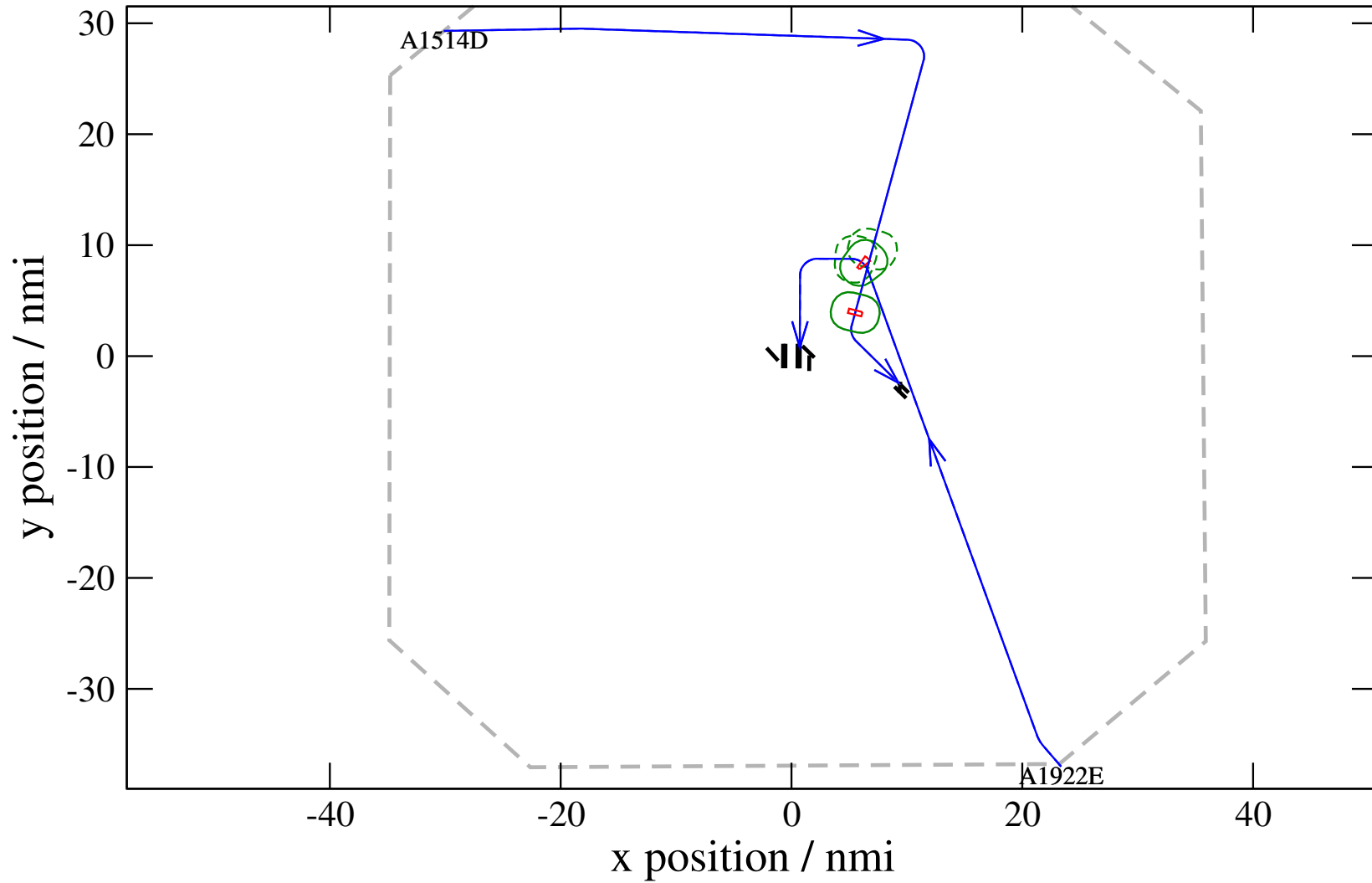
Maneuver Altitude Profiles

+ A1922E-A1514D 0.000H->1.316V: A1922E speed dec 35 kn (+81 s) 1922-1514-31



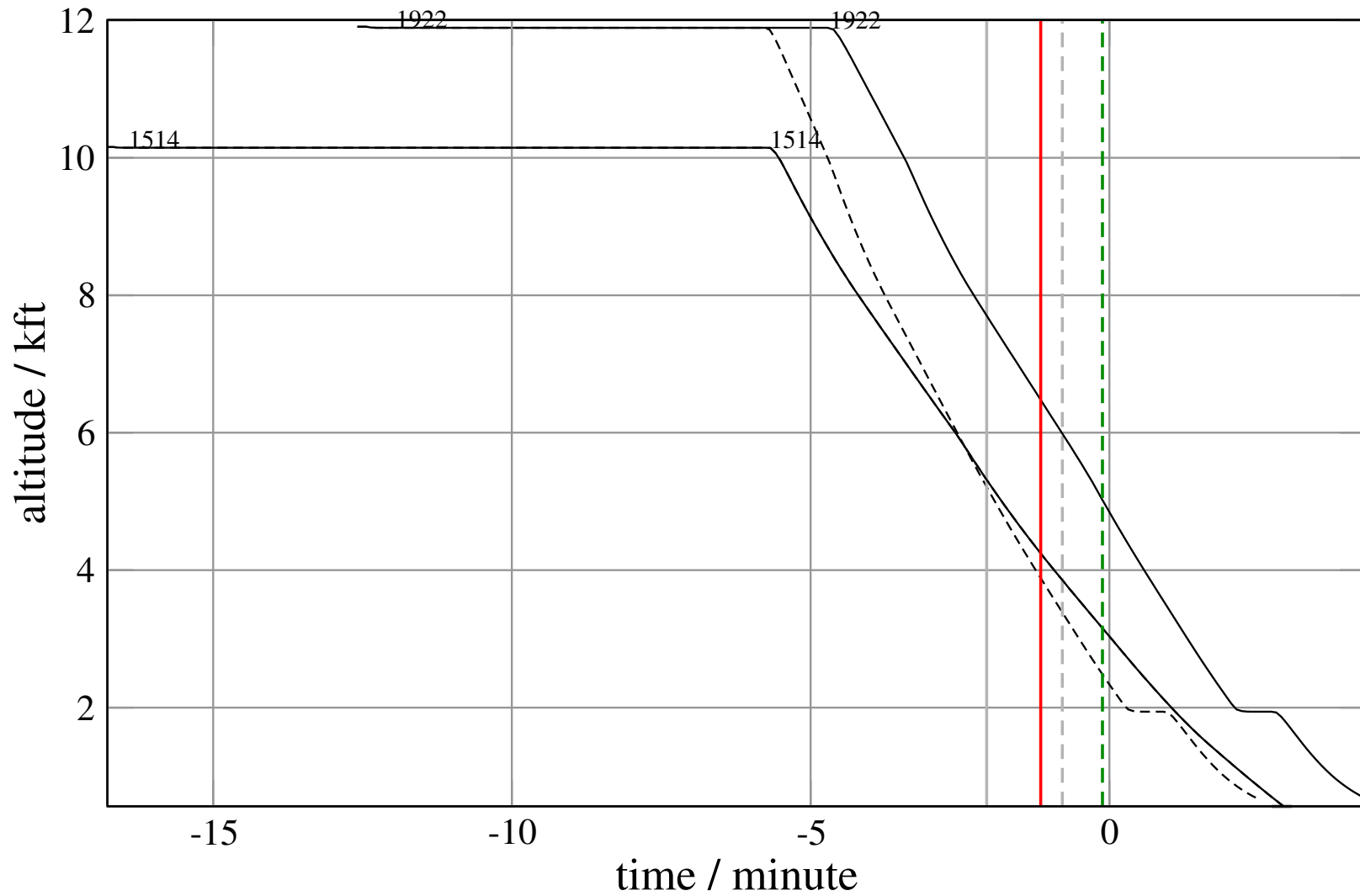
Maneuver Planview

+ A1922E-A1514D 0.197H->1.269V: A1922E speed dec 45 kn (+109 s) 1922-1514-32



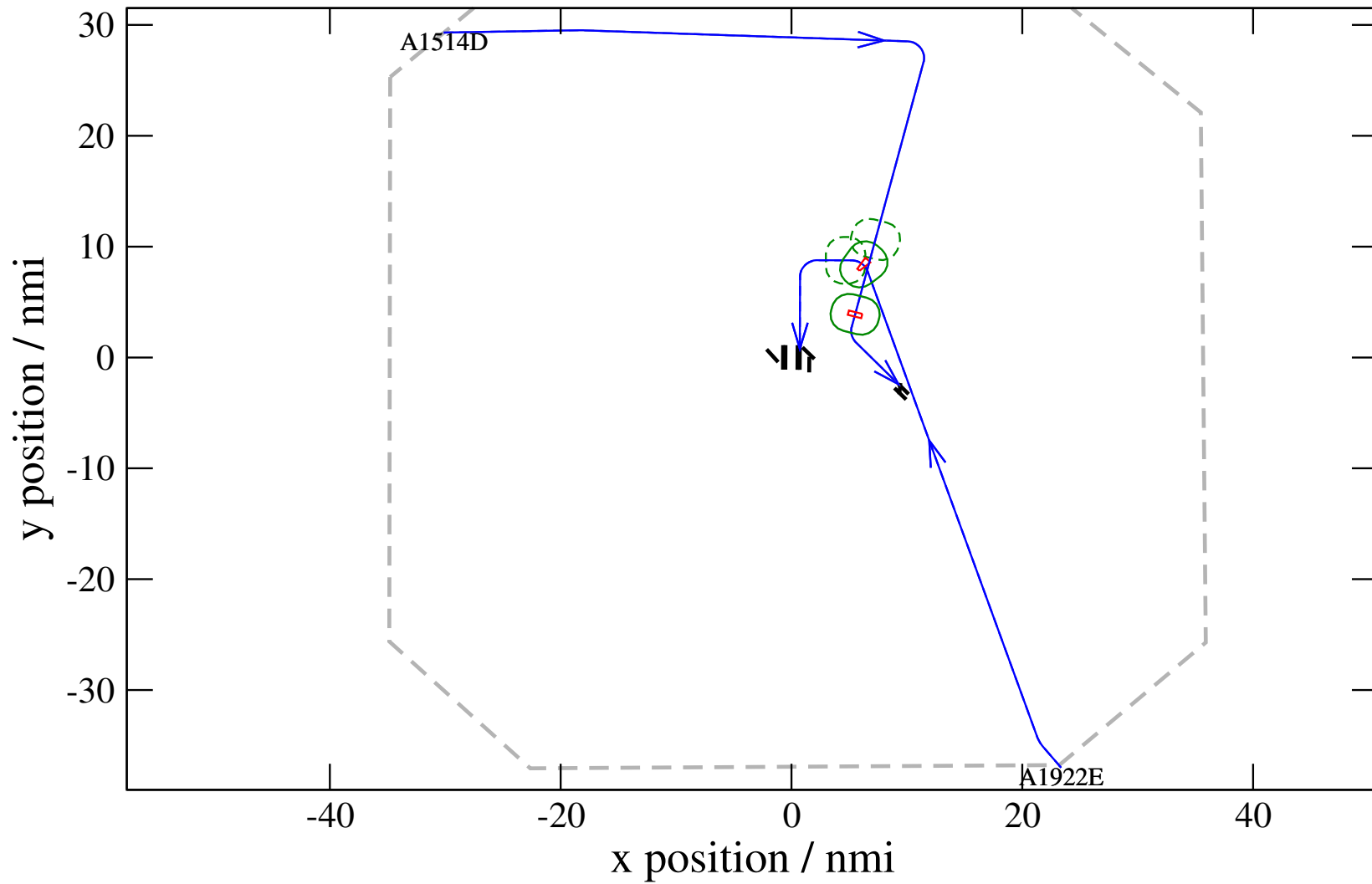
Maneuver Altitude Profiles

+ A1922E-A1514D 0.197H->1.269V: A1922E speed dec 45 kn (+109 s) 1922-1514-32



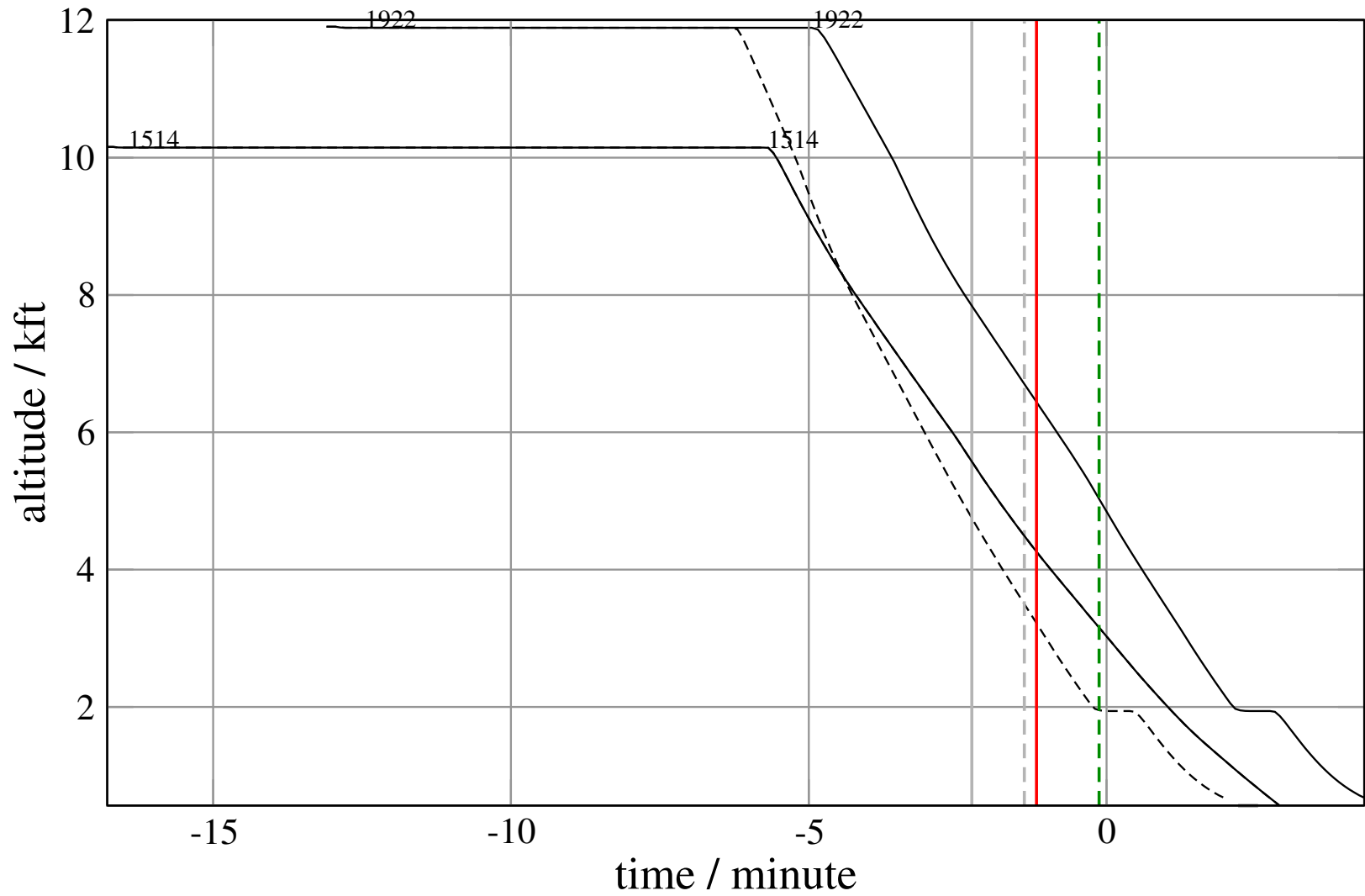
Maneuver Planview

+ A1922E-A1514D 0.707H->1.281V: A1922E speed dec 55 kn (+141 s) 1922-1514-33



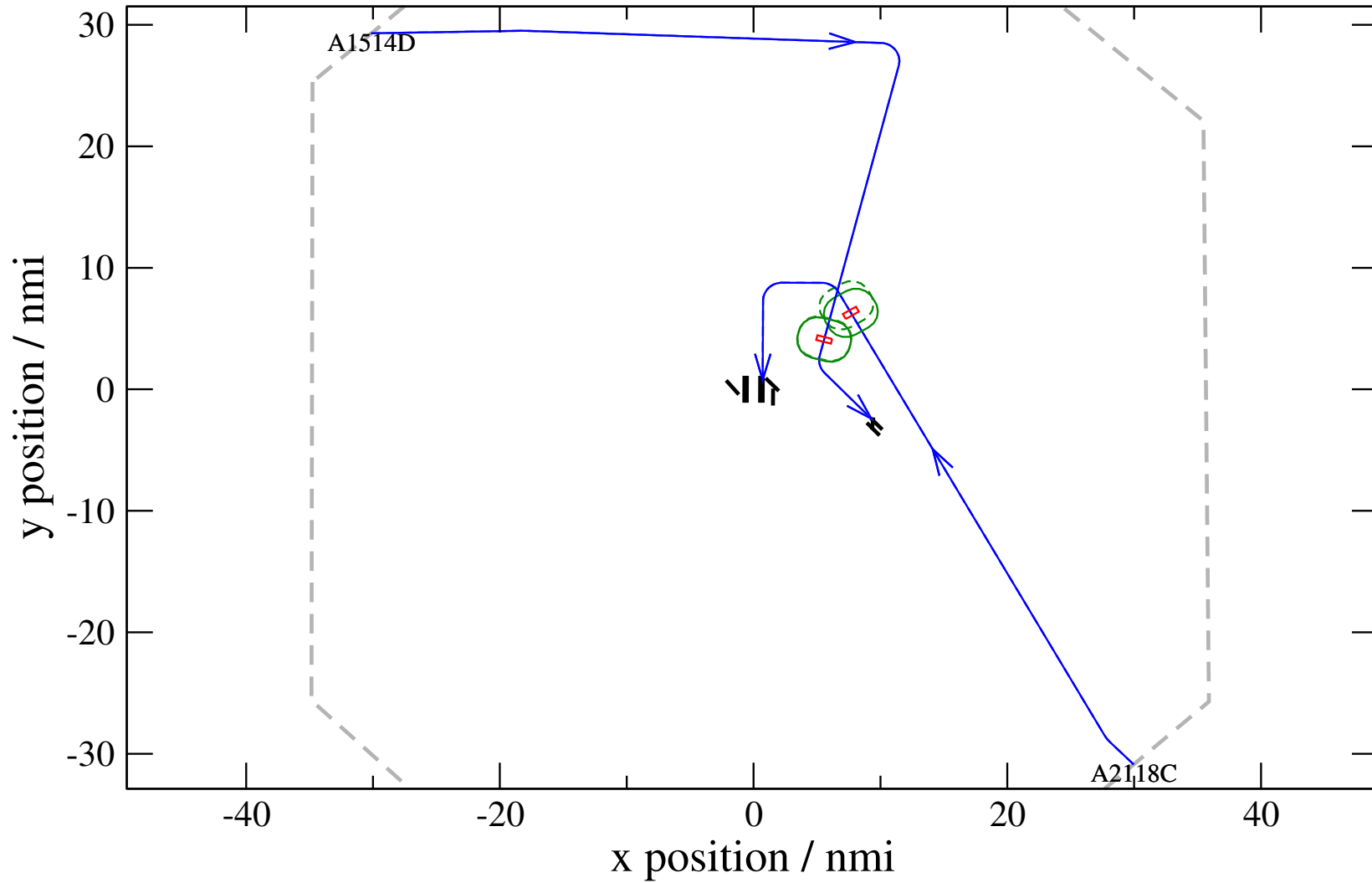
Maneuver Altitude Profiles

+ A1922E-A1514D 0.707H->1.281V: A1922E speed dec 55 kn (+141 s) 1922-1514-33



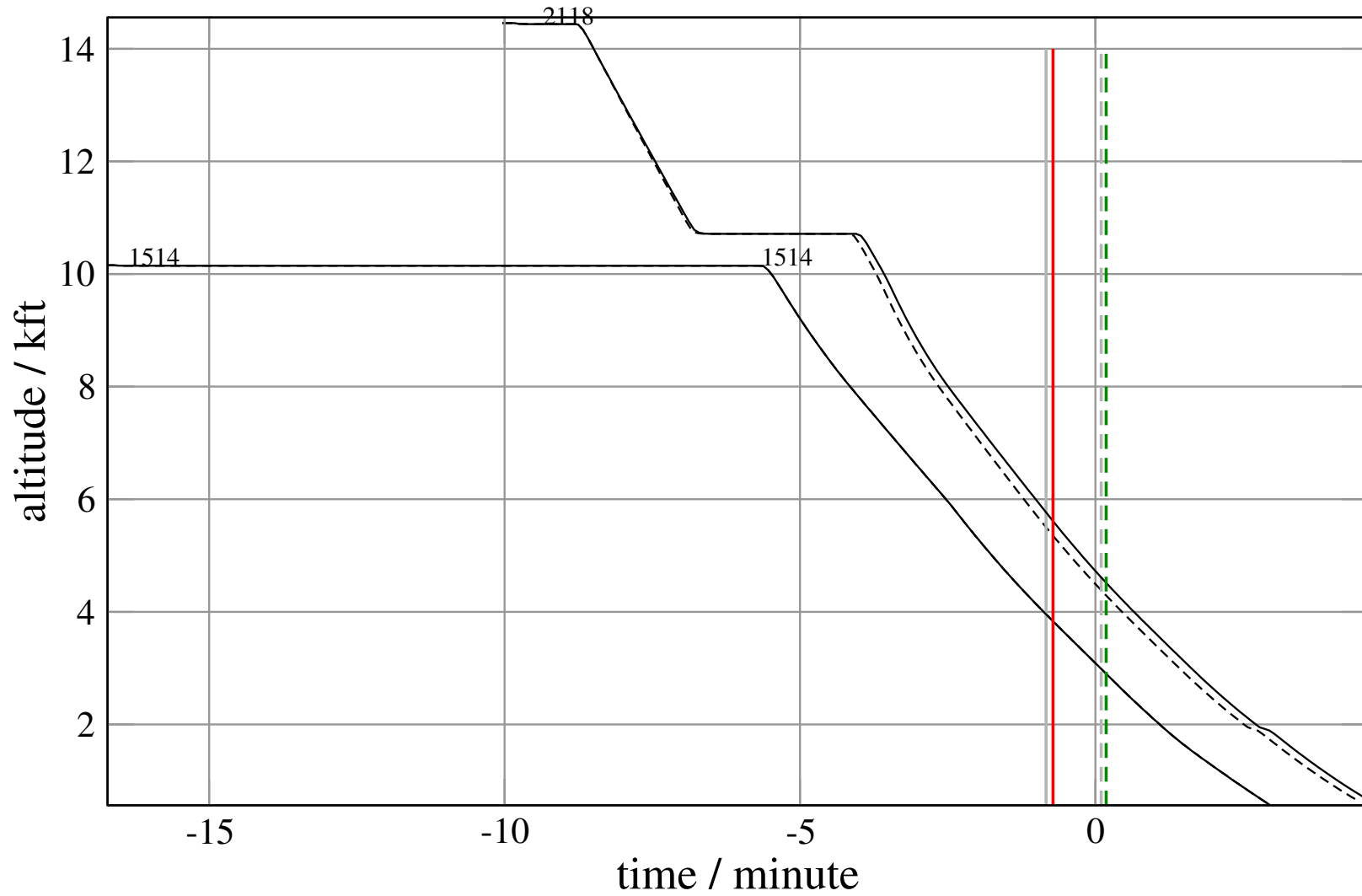
Maneuver Planview

+ A2118C-A1514D 0.885V->1.113V: A2118C speed dec 7 kn (+12 s) 2118-1514-27



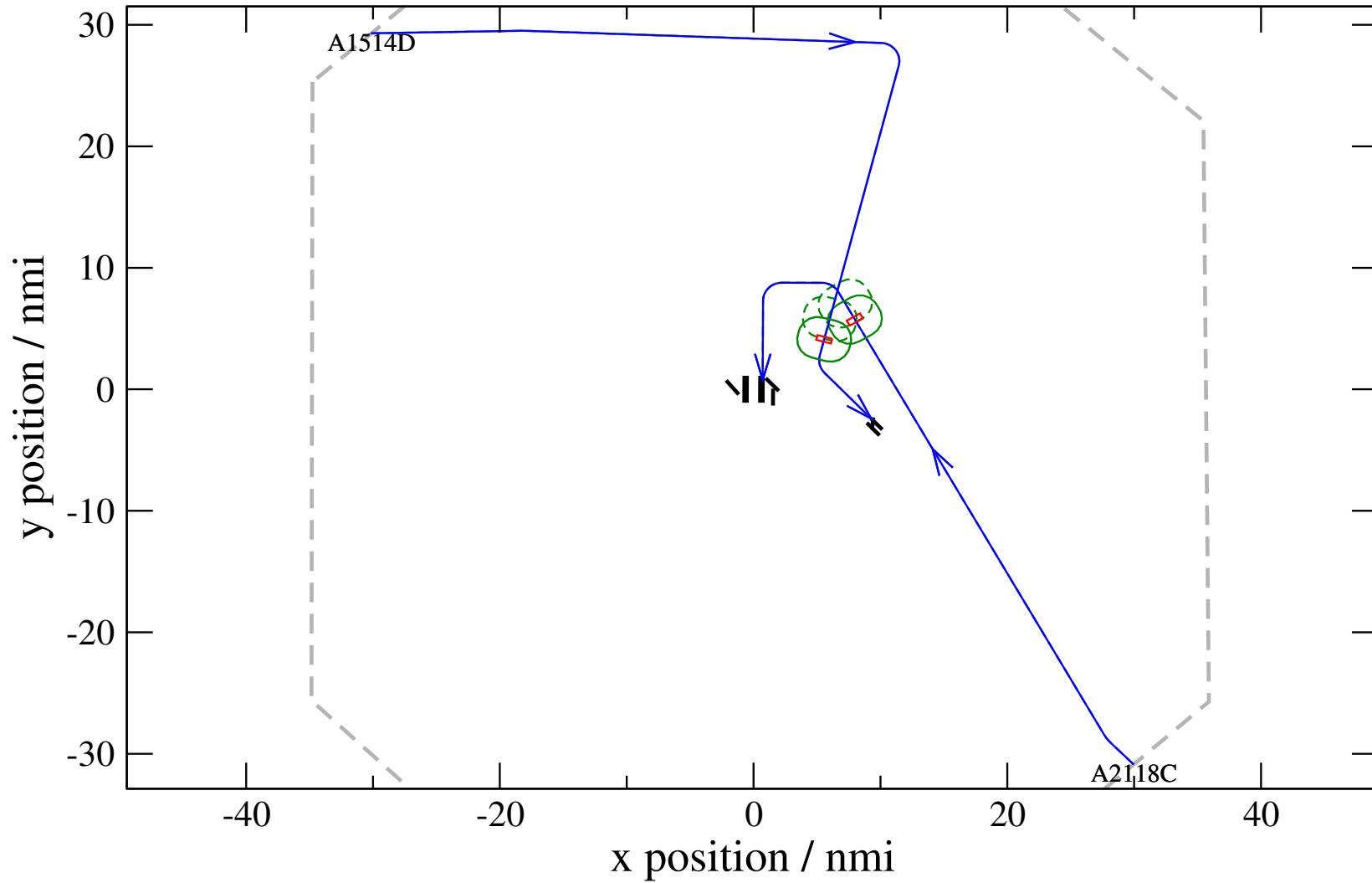
Maneuver Altitude Profiles

+ A2118C-A1514D 0.885V->1.113V: A2118C speed dec 7 kn (+12 s) 2118-1514-27



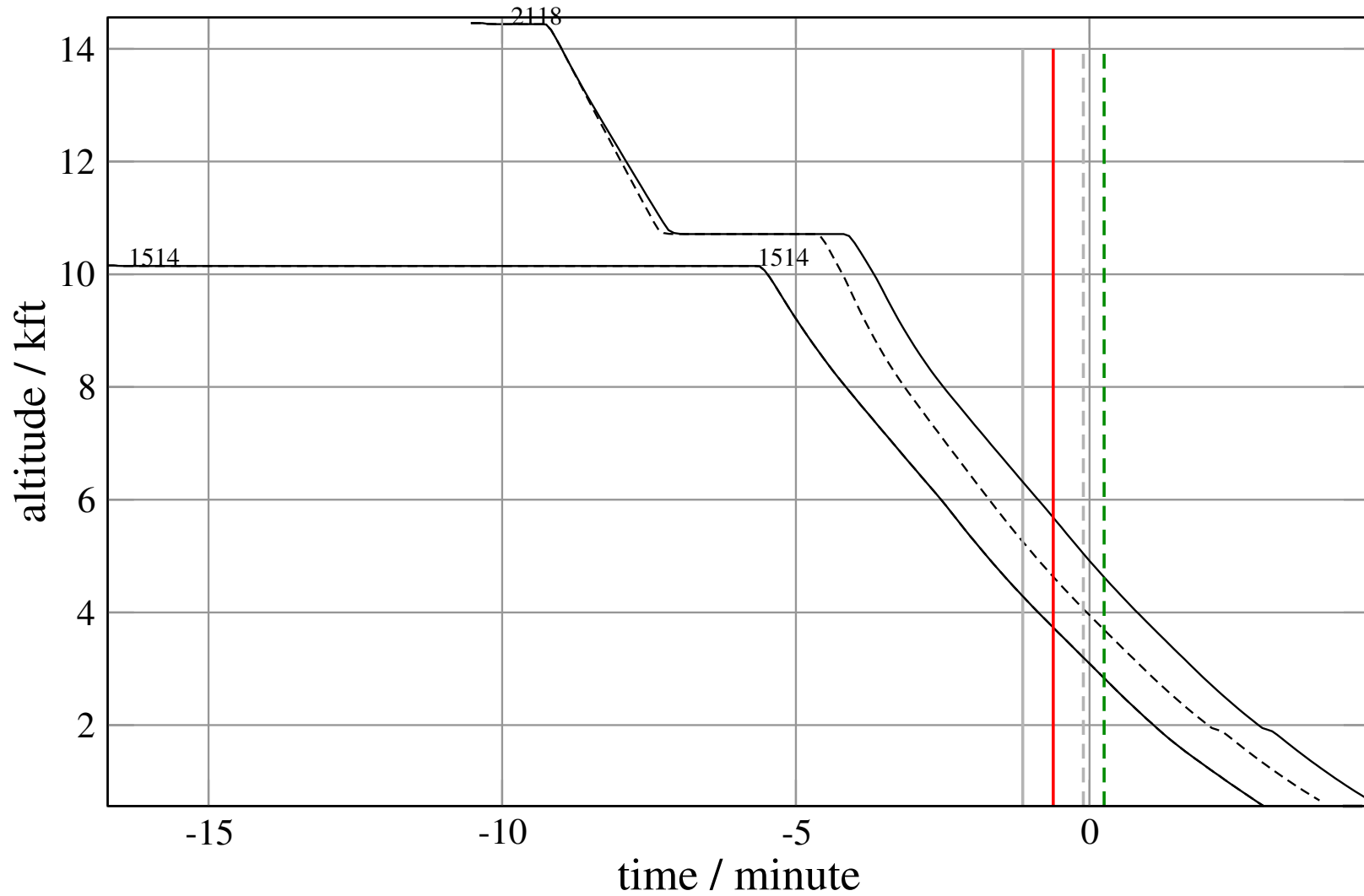
Maneuver Planview

+ A2118C-A1514D 0.362V->1.299V: A2118C speed dec 27 kn (+52 s) 2118-1514-28



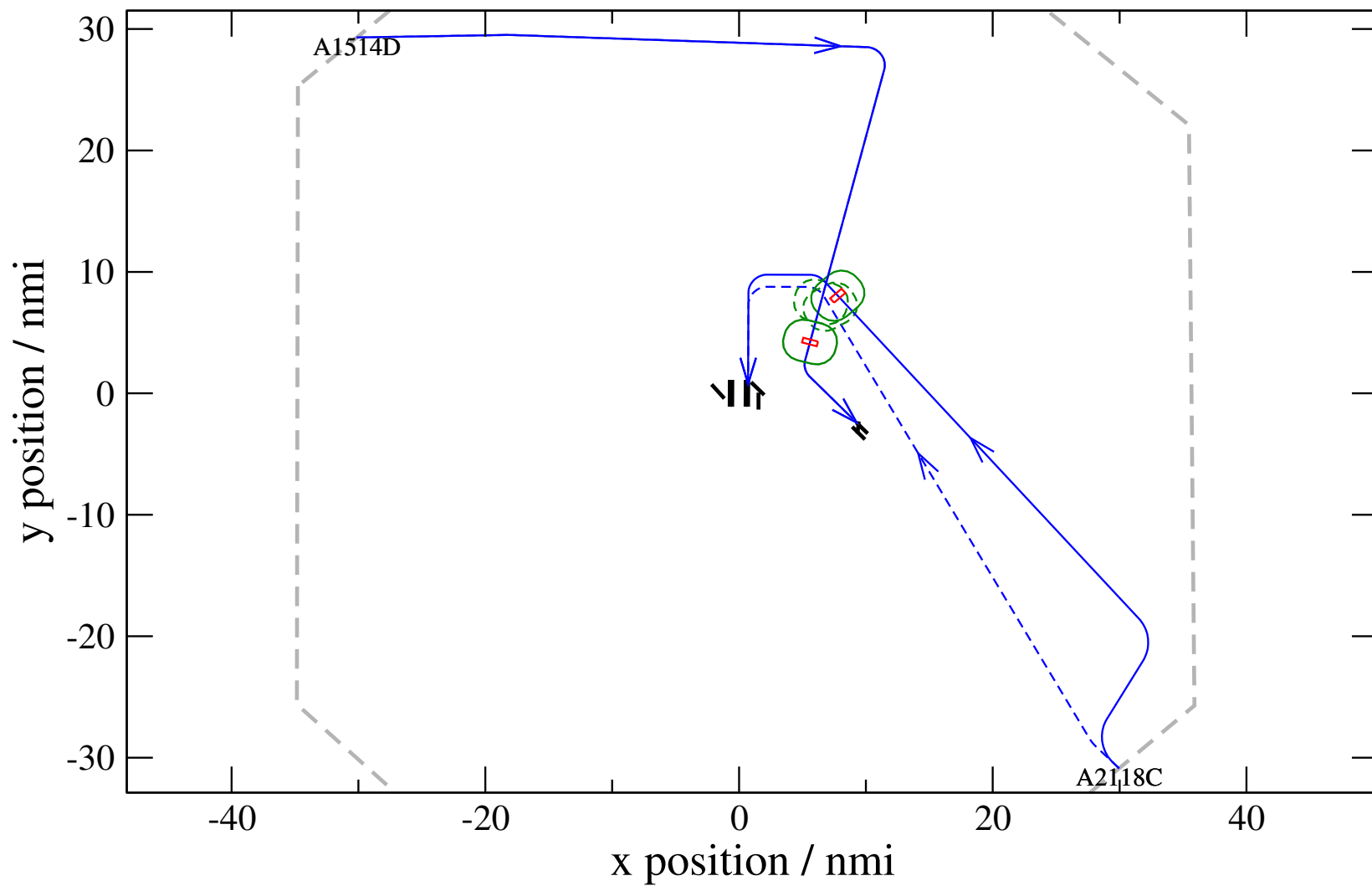
Maneuver Altitude Profiles

+ A2118C-A1514D 0.362V->1.299V: A2118C speed dec 27 kn (+52 s) 2118-1514-28



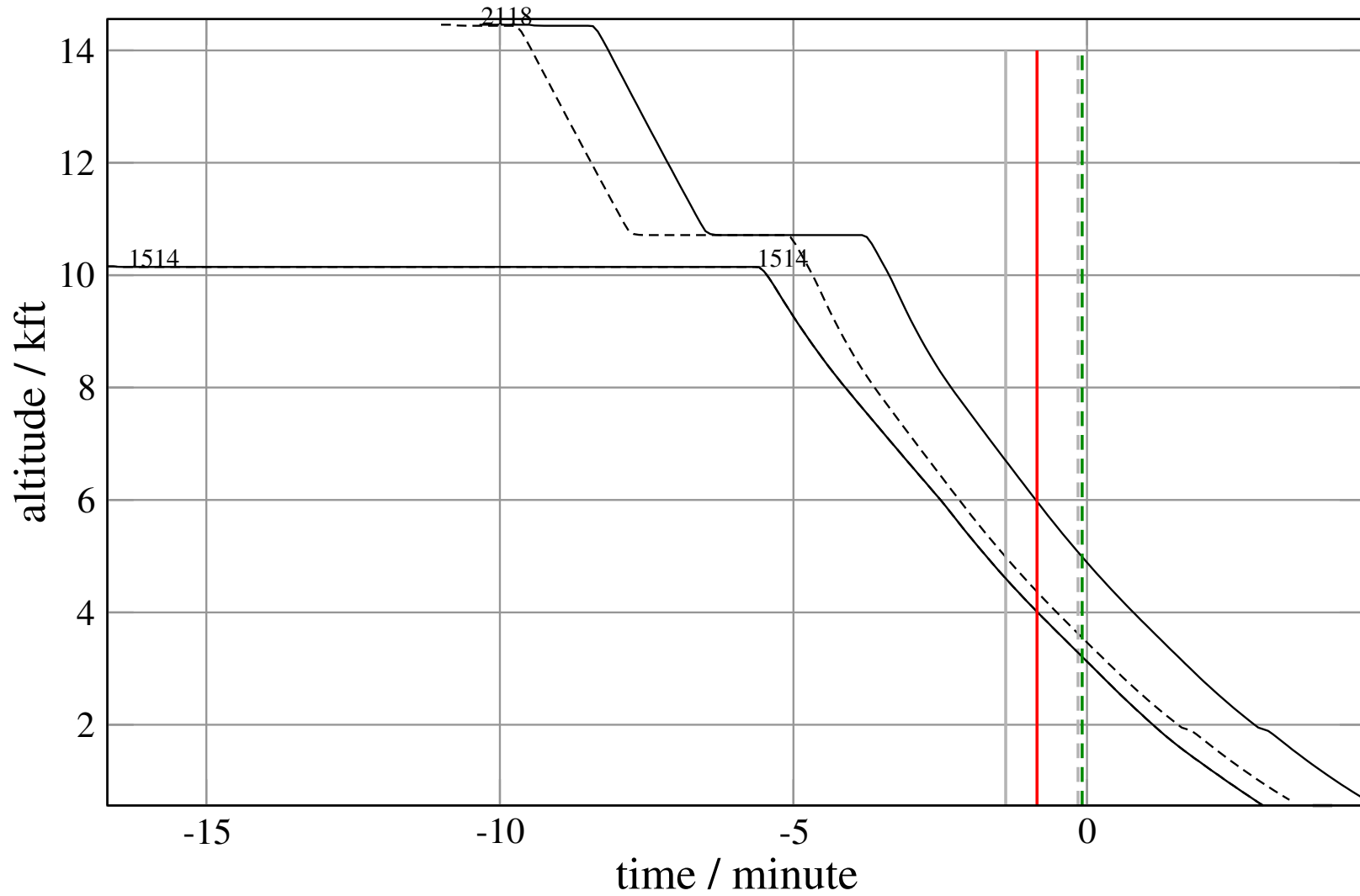
Maneuver Planview

+ A2118C-A1514D 0.000H->1.237V: A2118C reroute 60 deg, 10 nm, 9 nm (+78 s) 2118-1514-29



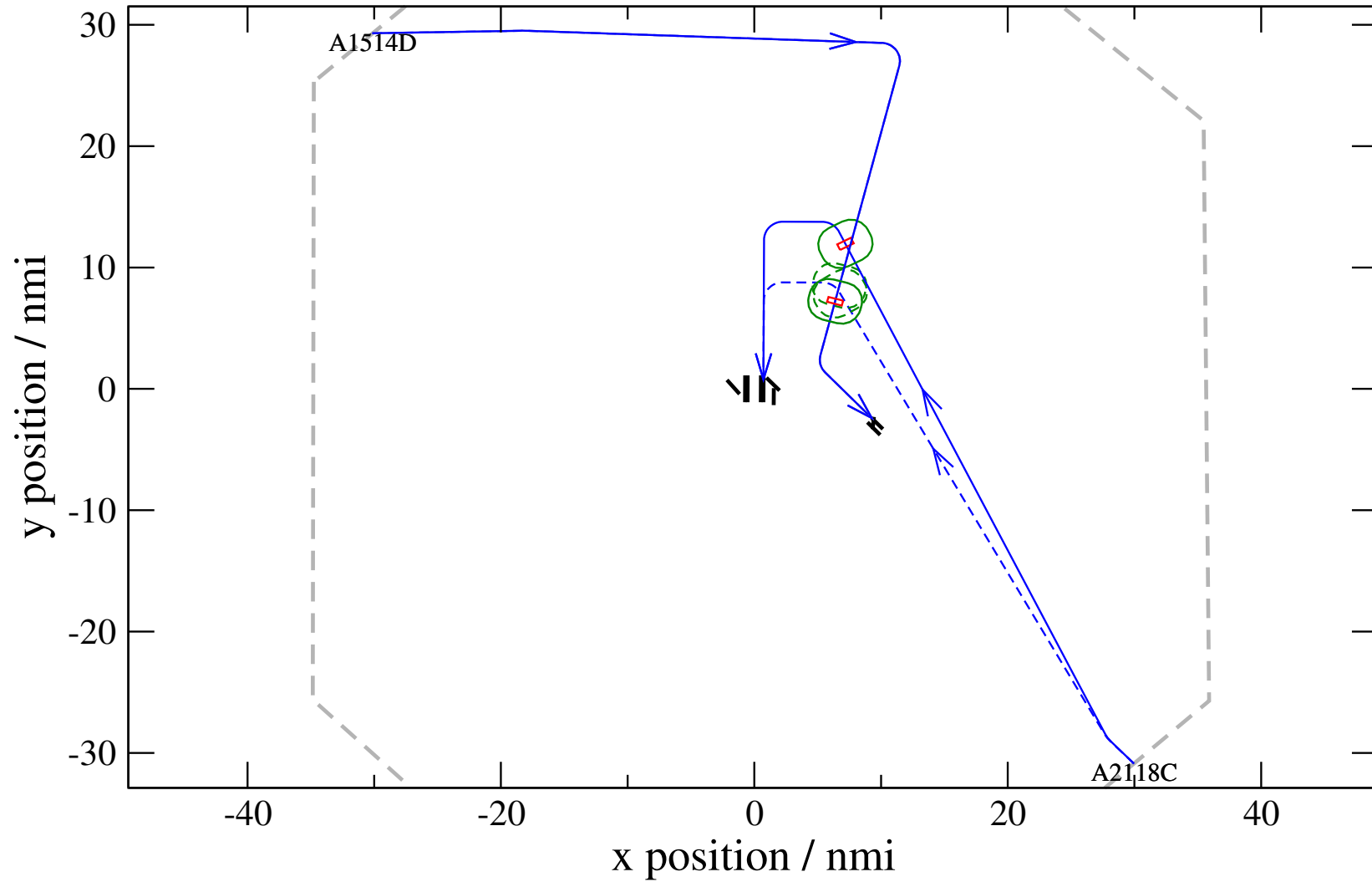
Maneuver Altitude Profiles

+ A2118C-A1514D 0.000H->1.237V: A2118C reroute 60 deg, 10 nm, 9 nm (+78 s) 2118-1514-29



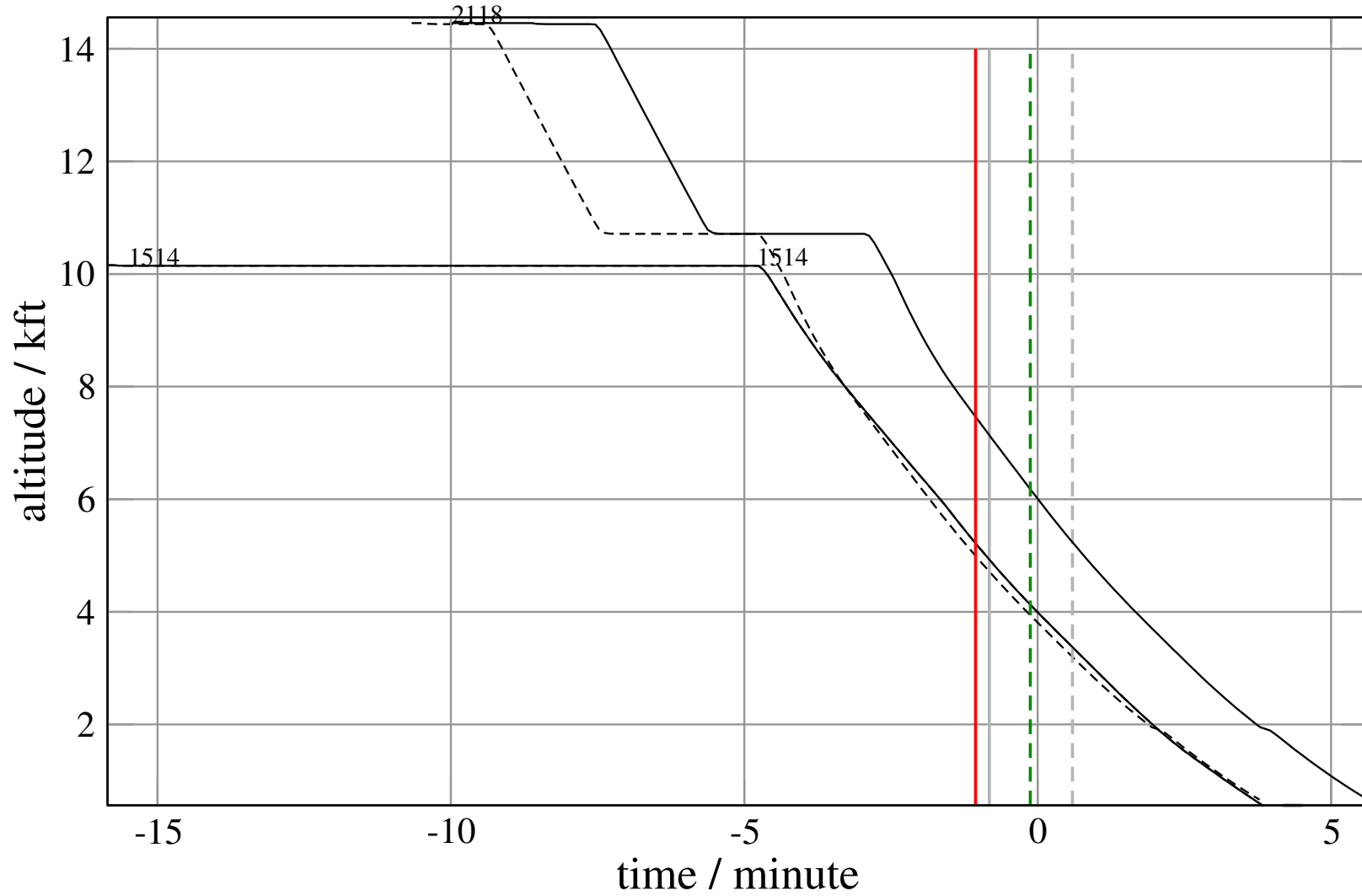
Maneuver Planview

+ A2118C-A1514D 0.000H->1.479V: A2118C reroute 0 deg, 6 nm, 13 nm (+111 s) 2118-1514-30



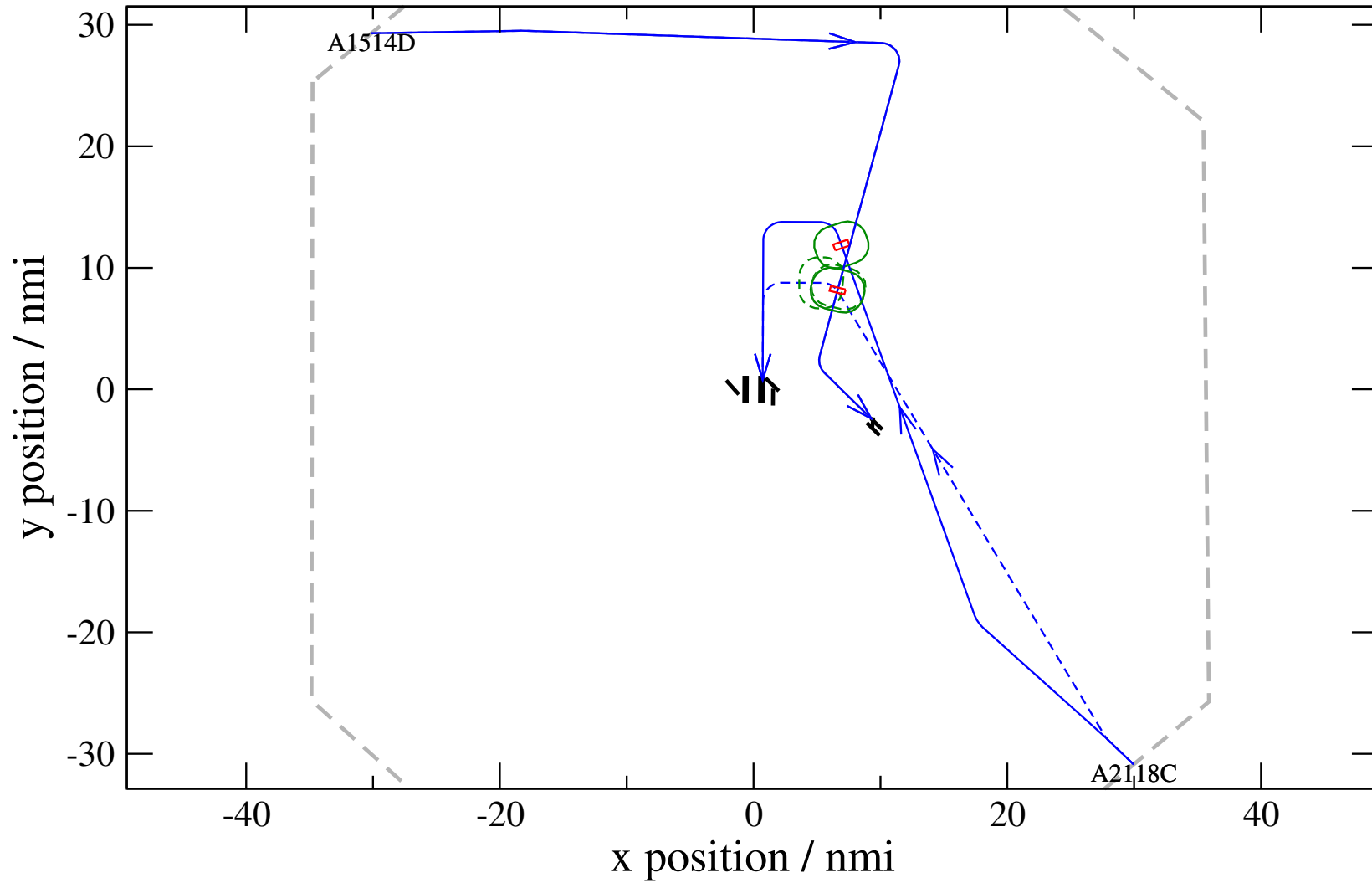
Maneuver Altitude Profiles

+ A2118C-A1514D 0.000H->1.479V: A2118C reroute 0 deg, 6 nm, 13 nm (+111 s) 2118-1514-30



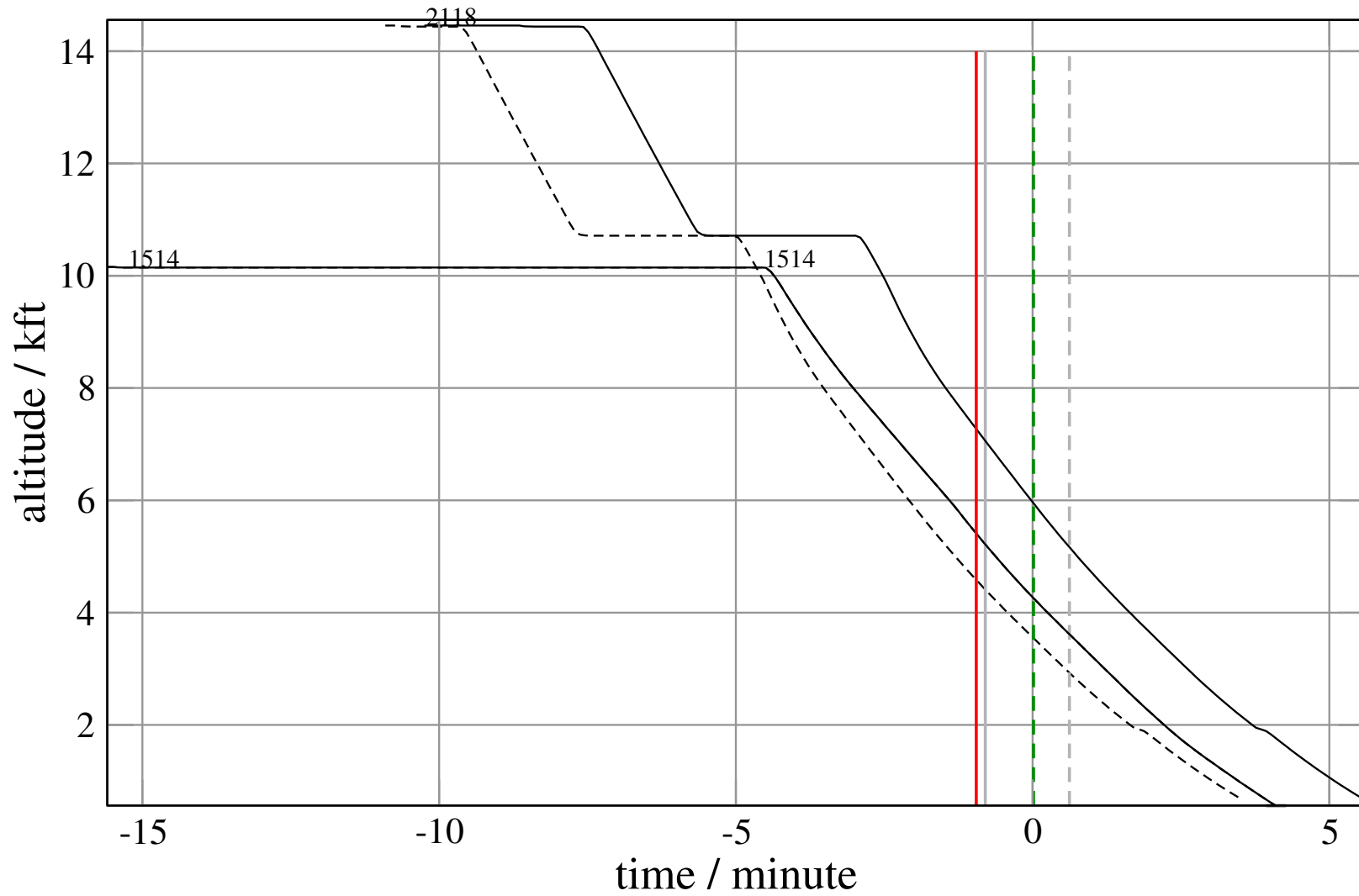
Maneuver Planview

+ A2118C-A1514D 0.192V->1.154V: A2118C reroute -20 deg, 14 nm, 13 nm (+124 s) 2118-1514-31



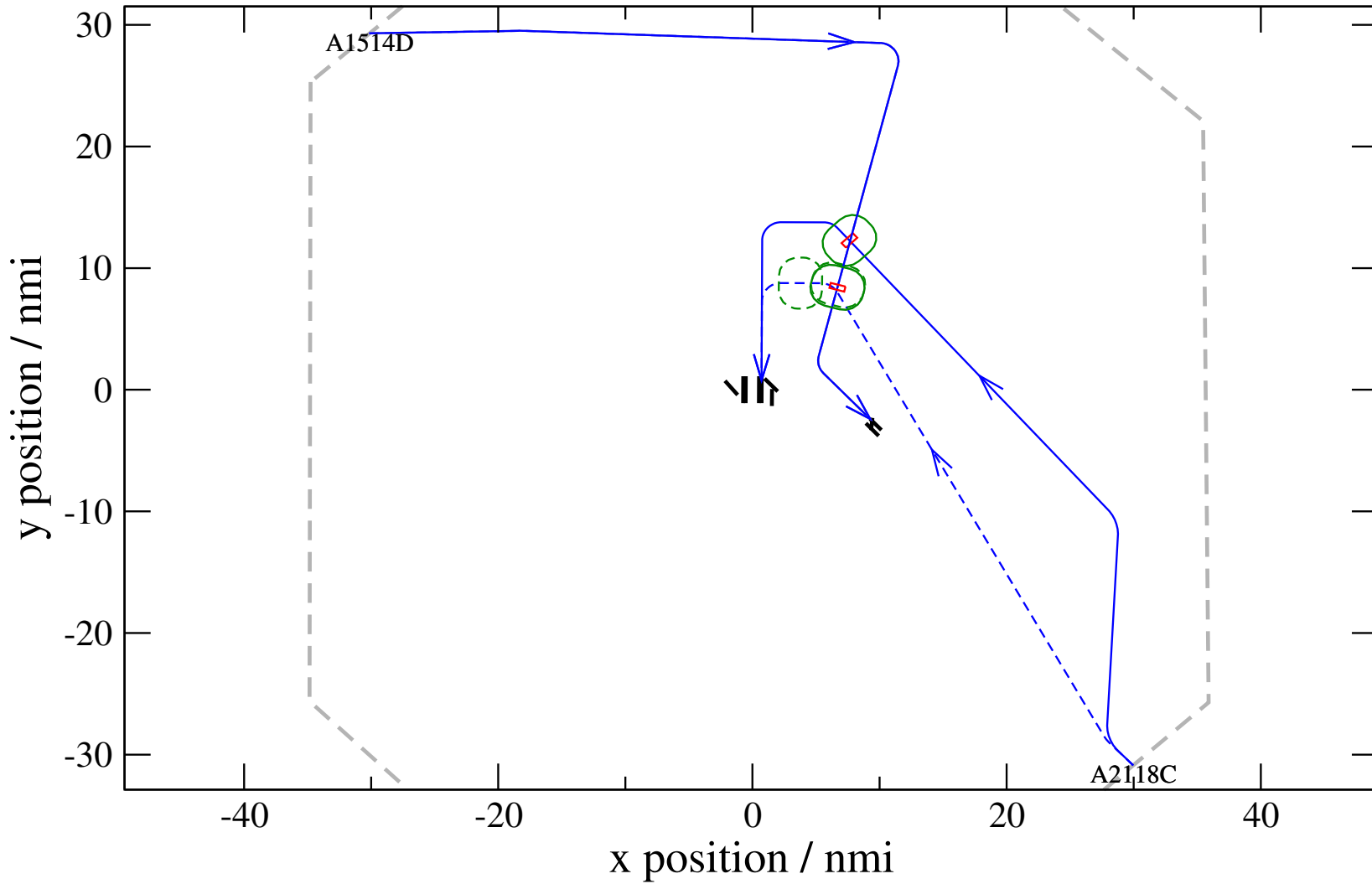
Maneuver Altitude Profiles

+ A2118C-A1514D 0.192V->1.154V: A2118C reroute -20 deg, 14 nm, 13 nm (+124 s) 2118-1514-31



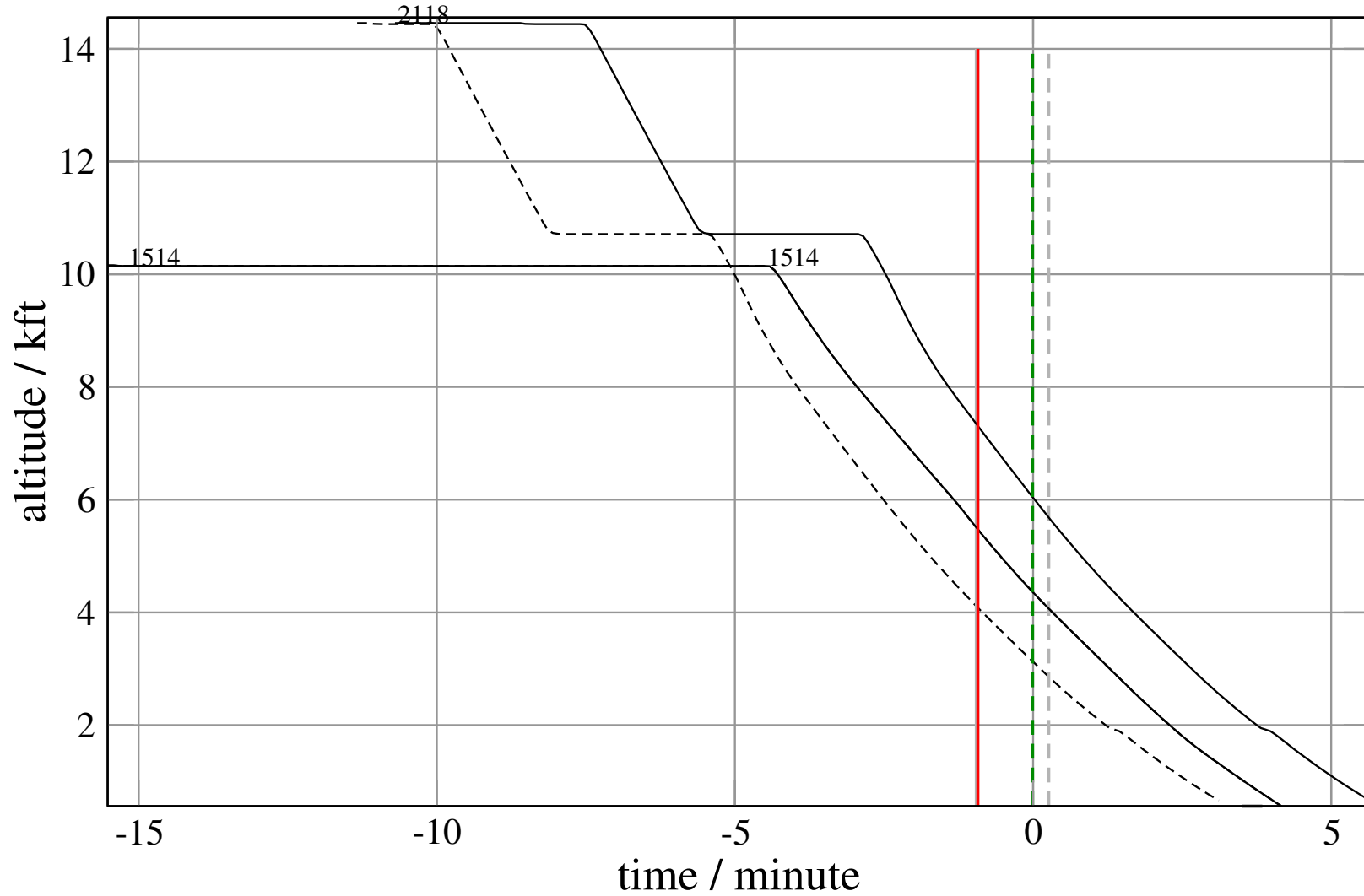
Maneuver Planview

+ A2118C-A1514D 0.713V->1.139V: A2118C reroute 30 deg, 18 nm, 13 nm (+152 s) 2118-1514-32



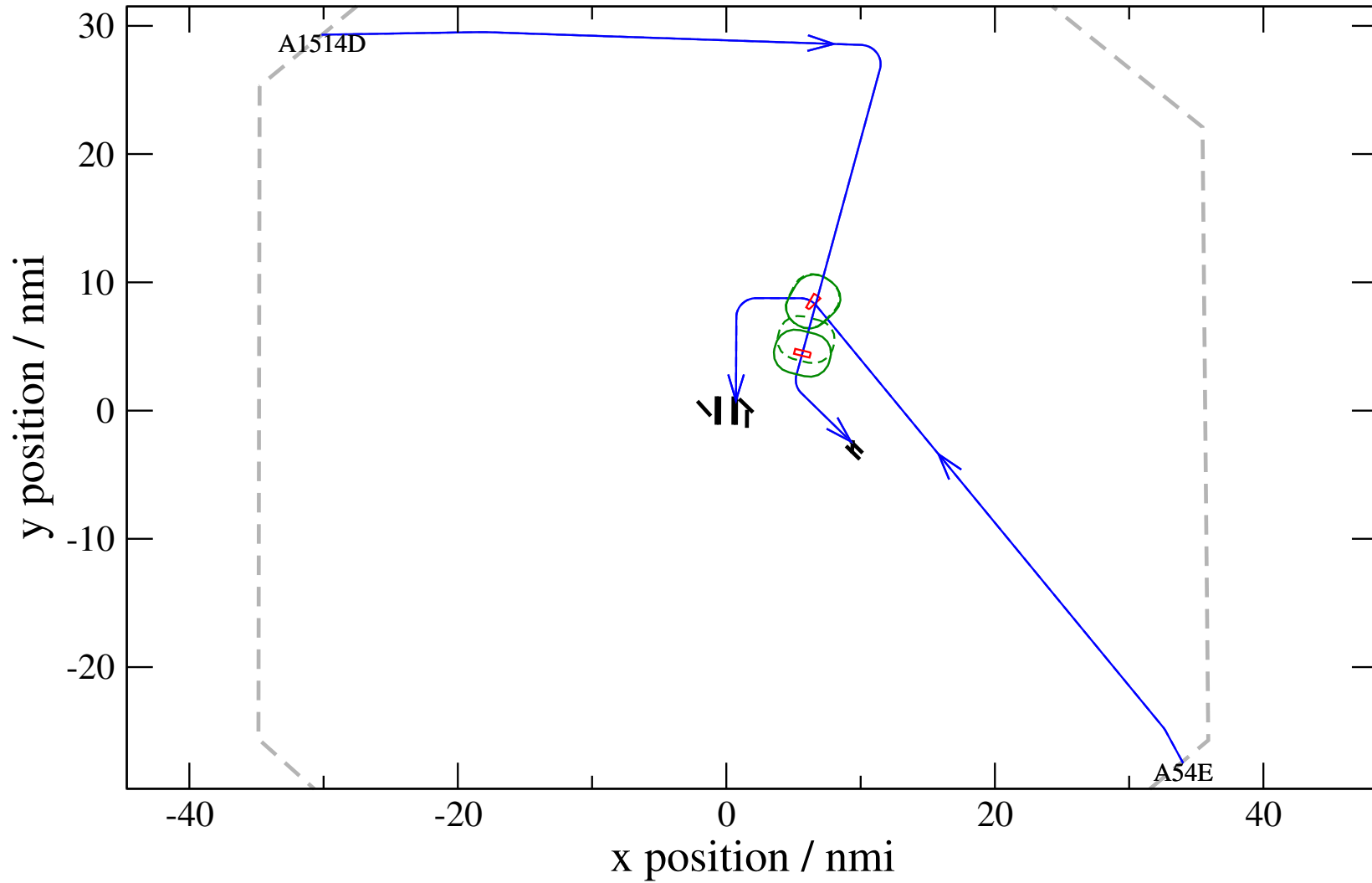
Maneuver Altitude Profiles

+ A2118C-A1514D 0.713V->1.139V: A2118C reroute 30 deg, 18 nm, 13 nm (+152 s) 2118-1514-32



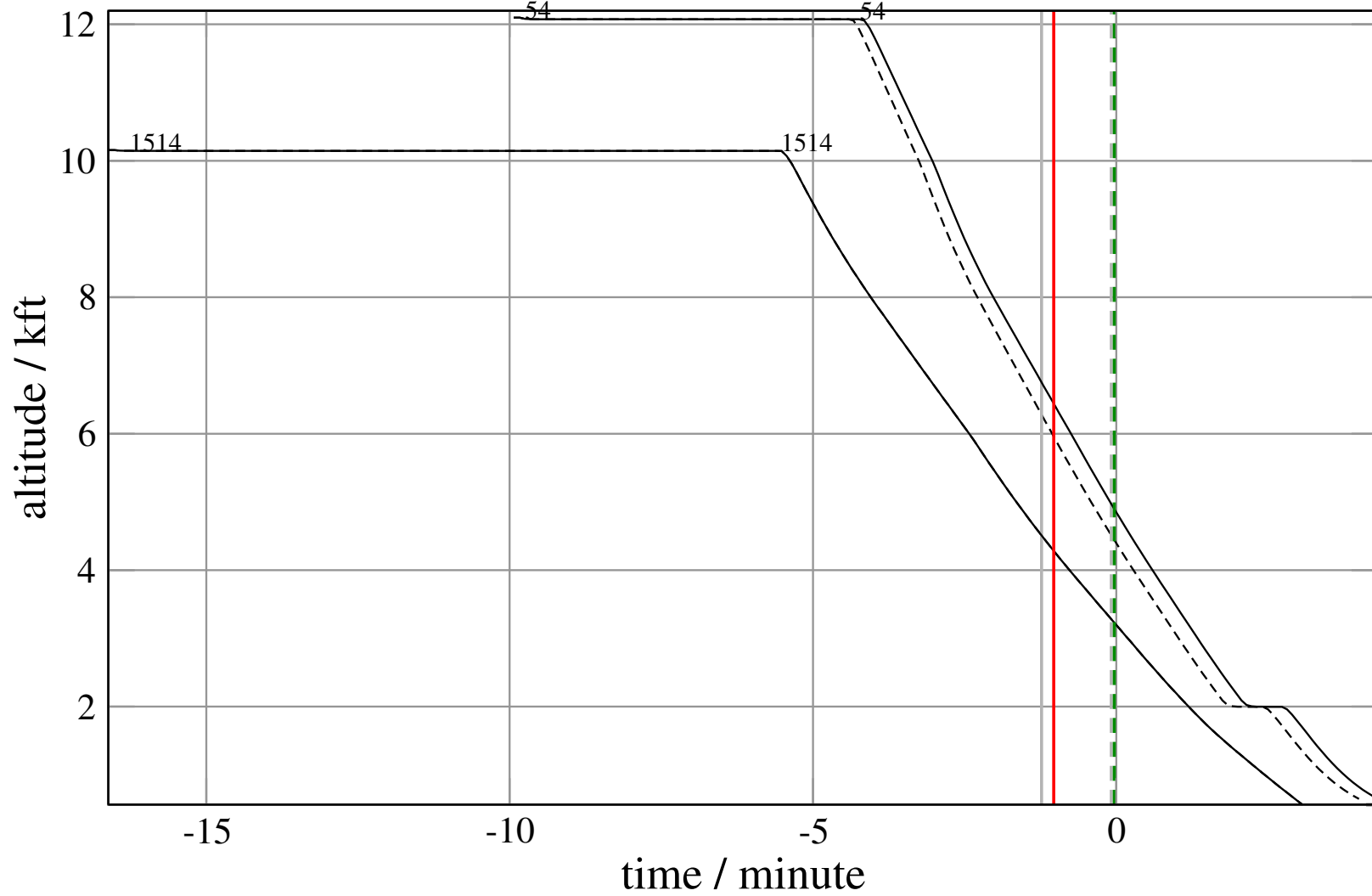
Maneuver Planview

+ A54E-A1514D 0.780V->1.111V: A54E speed dec 10 kn (+19 s) 54-1514-27



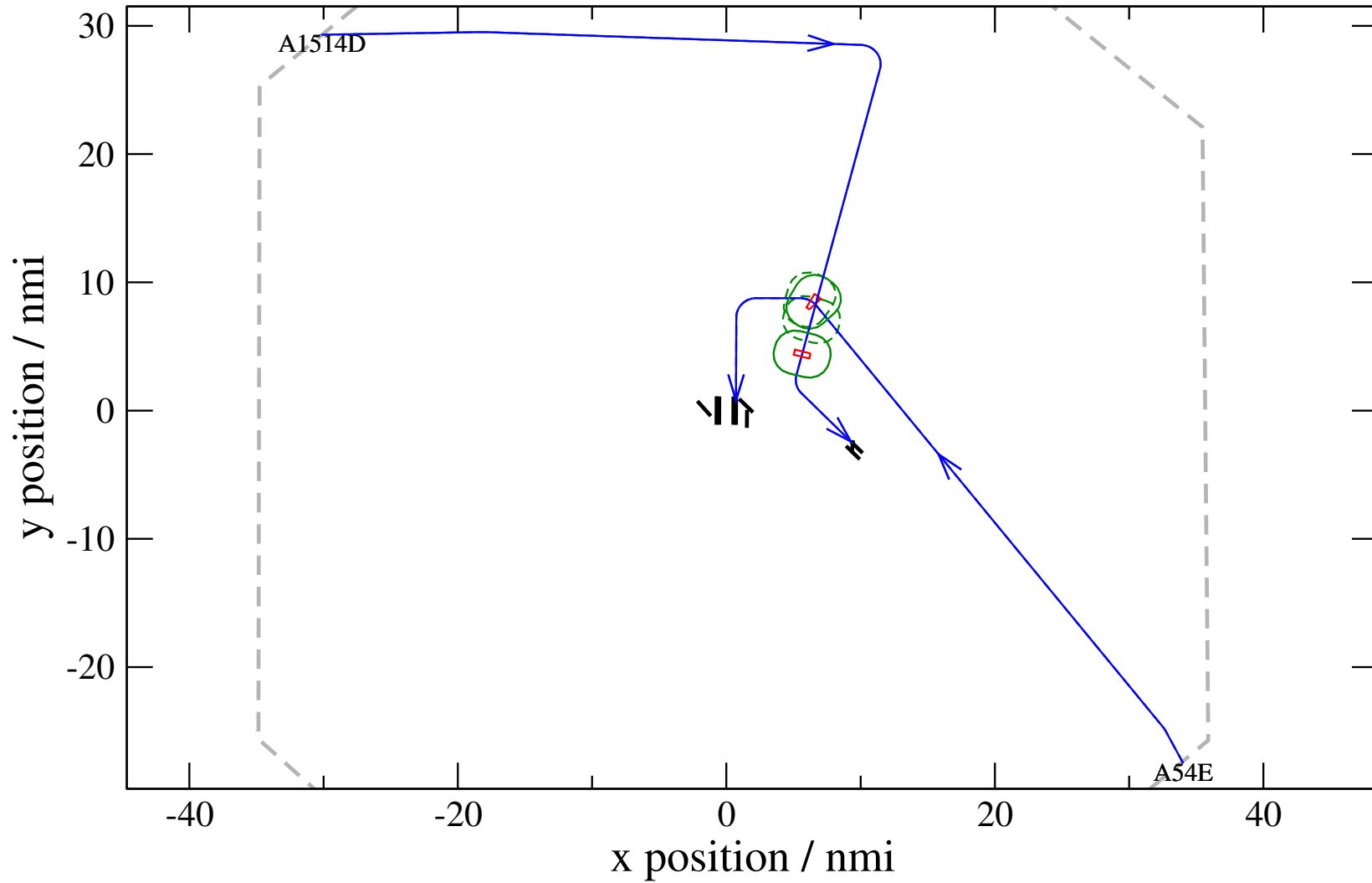
Maneuver Altitude Profiles

+ A54E-A1514D 0.780V->1.111V: A54E speed dec 10 kn (+19 s) 54-1514-27



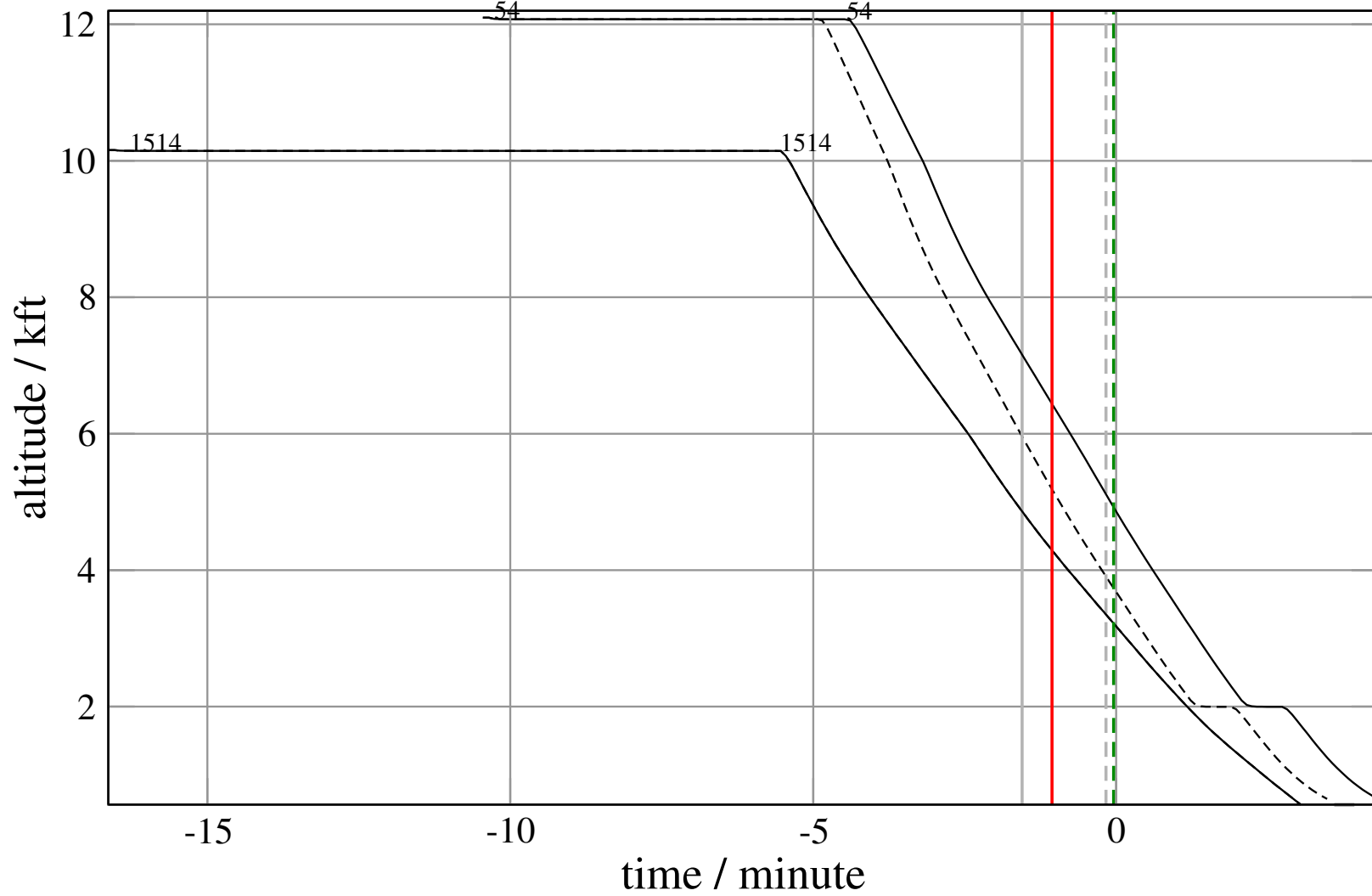
Maneuver Planview

+ A54E-A1514D 0.228H->1.143V: A54E speed dec 25 kn (+50 s) 54-1514-28



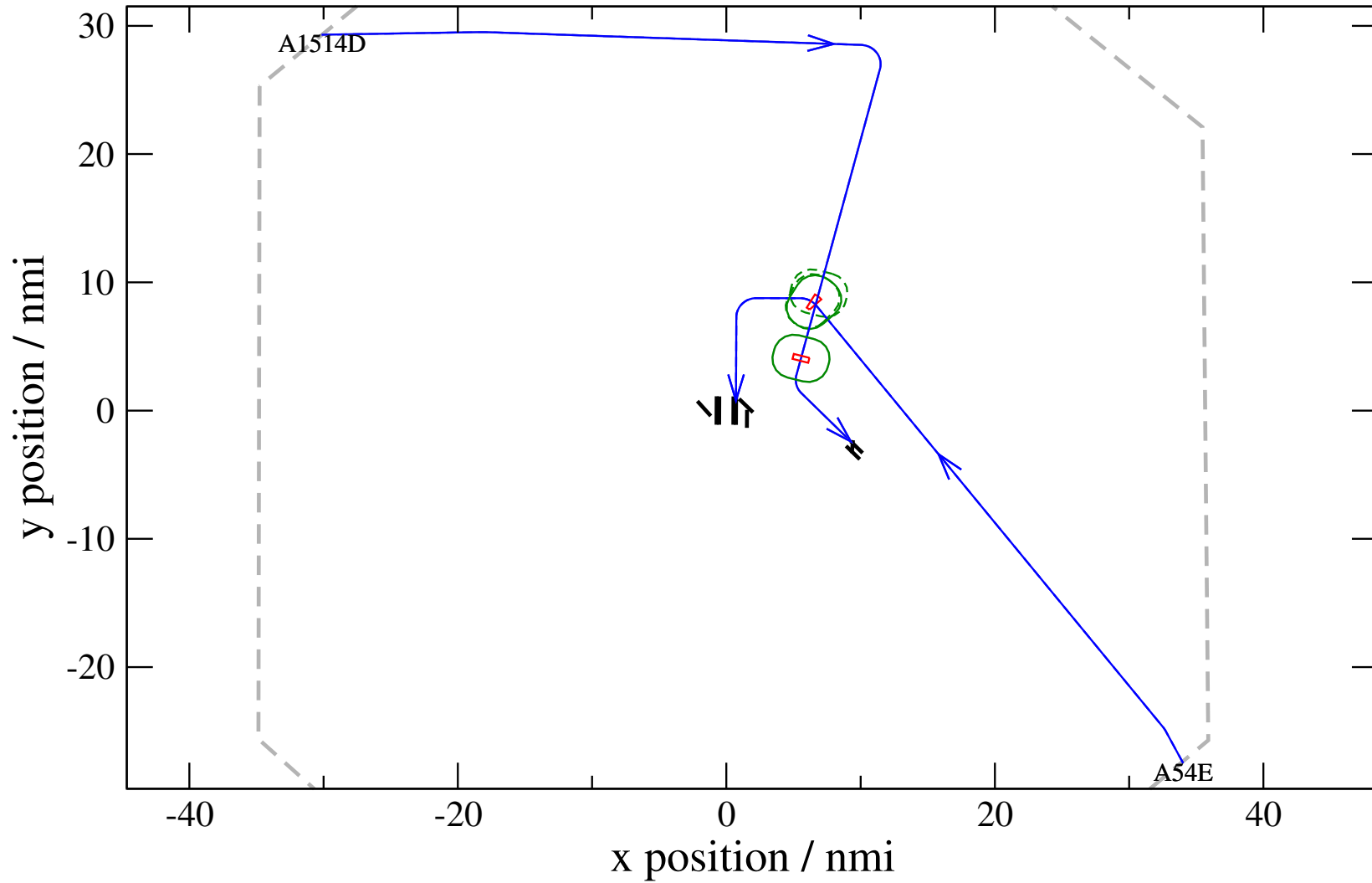
Maneuver Altitude Profiles

+ A54E-A1514D 0.228H->1.143V: A54E speed dec 25 kn (+50 s) 54-1514-28



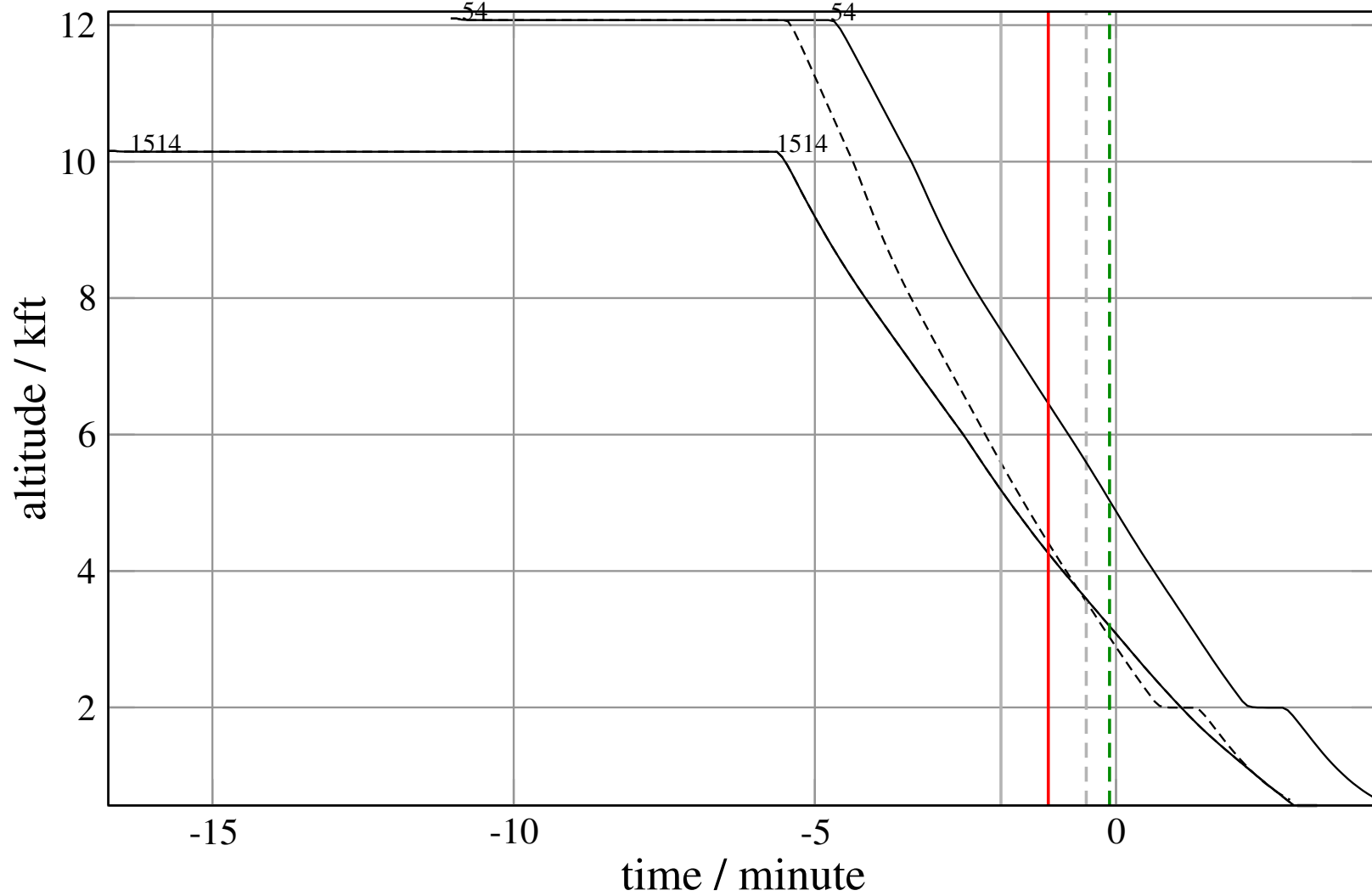
Maneuver Planview

+ A54E-A1514D 0.000H->1.256V: A54E speed dec 40 kn (+88 s) 54-1514-29



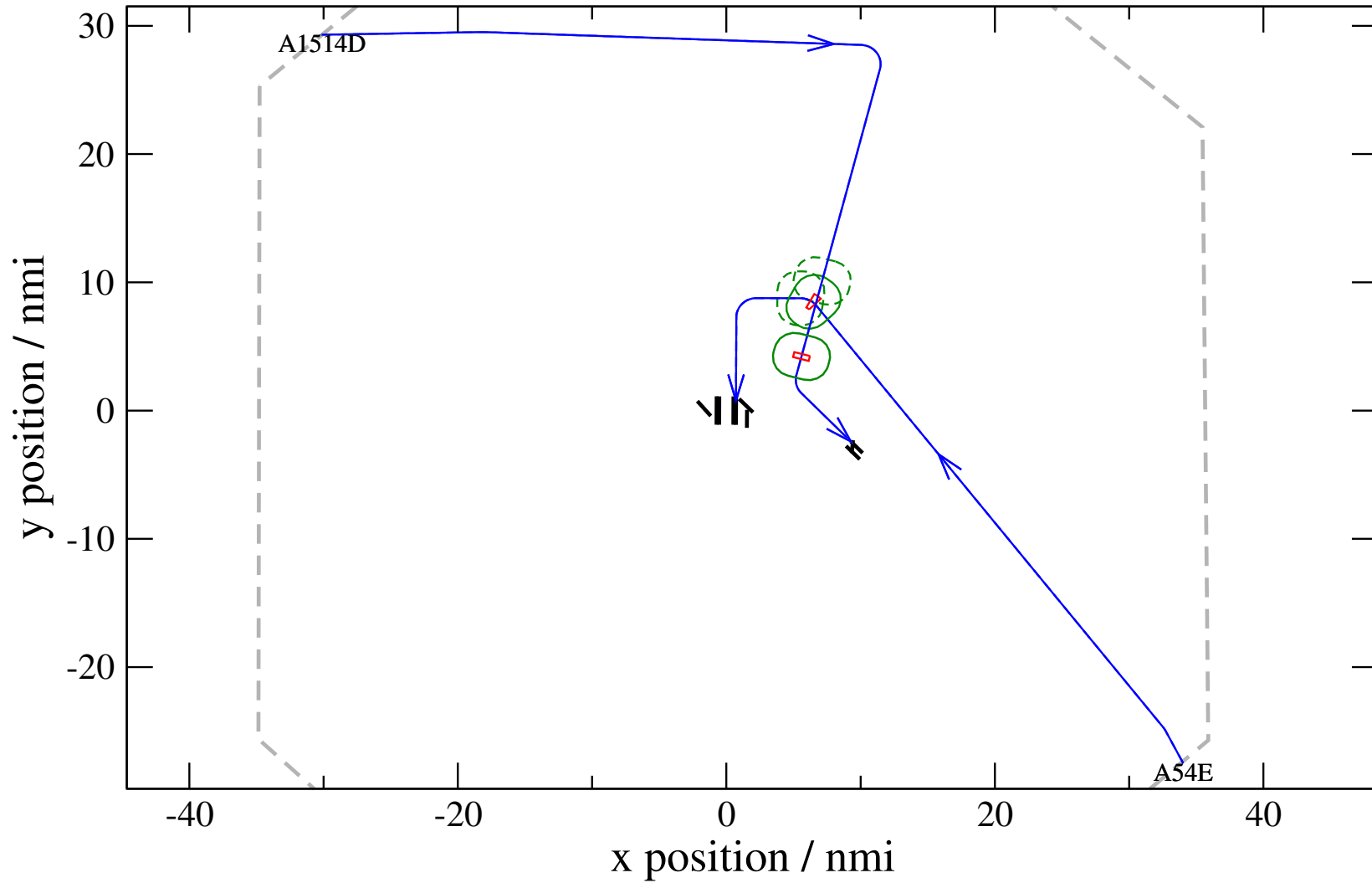
Maneuver Altitude Profiles

+ A54E-A1514D 0.000H->1.256V: A54E speed dec 40 kn (+88 s) 54-1514-29



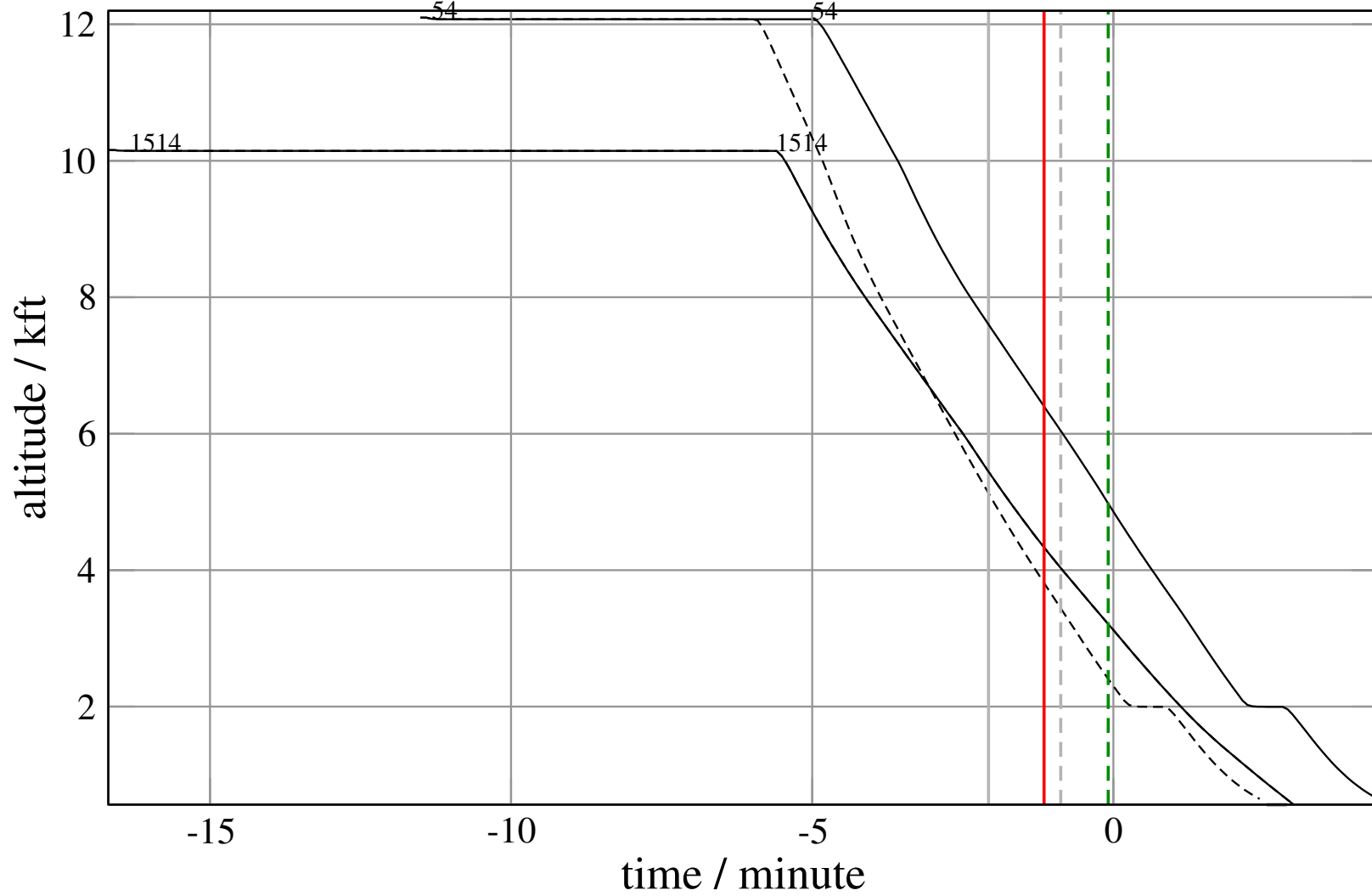
Maneuver Planview

+ A54E-A1514D 0.330H->1.198H: A54E speed dec 50 kn (+118 s) 54-1514-30



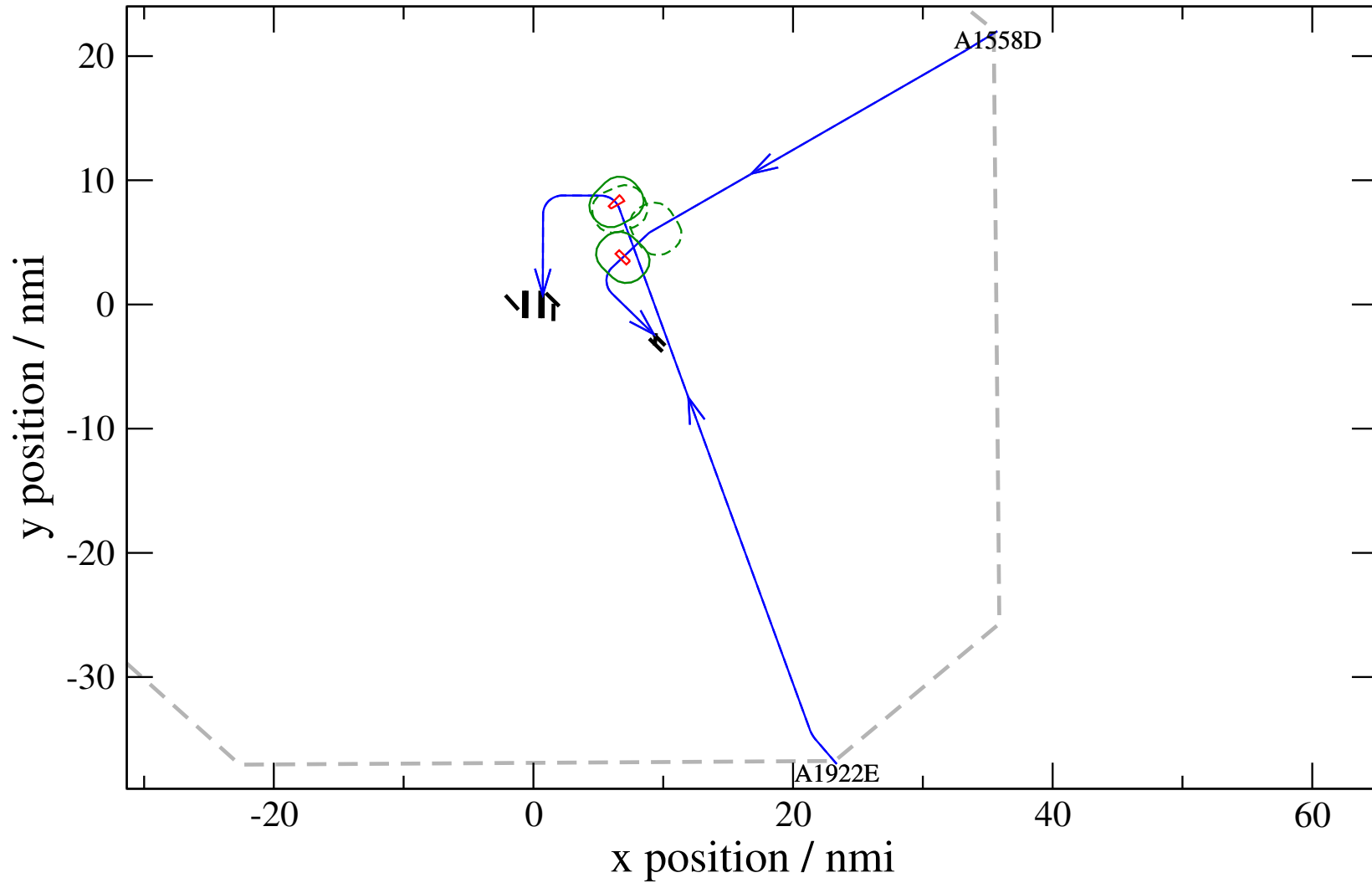
Maneuver Altitude Profiles

+ A54E-A1514D 0.330H->1.198H: A54E speed dec 50 kn (+118 s) 54-1514-30



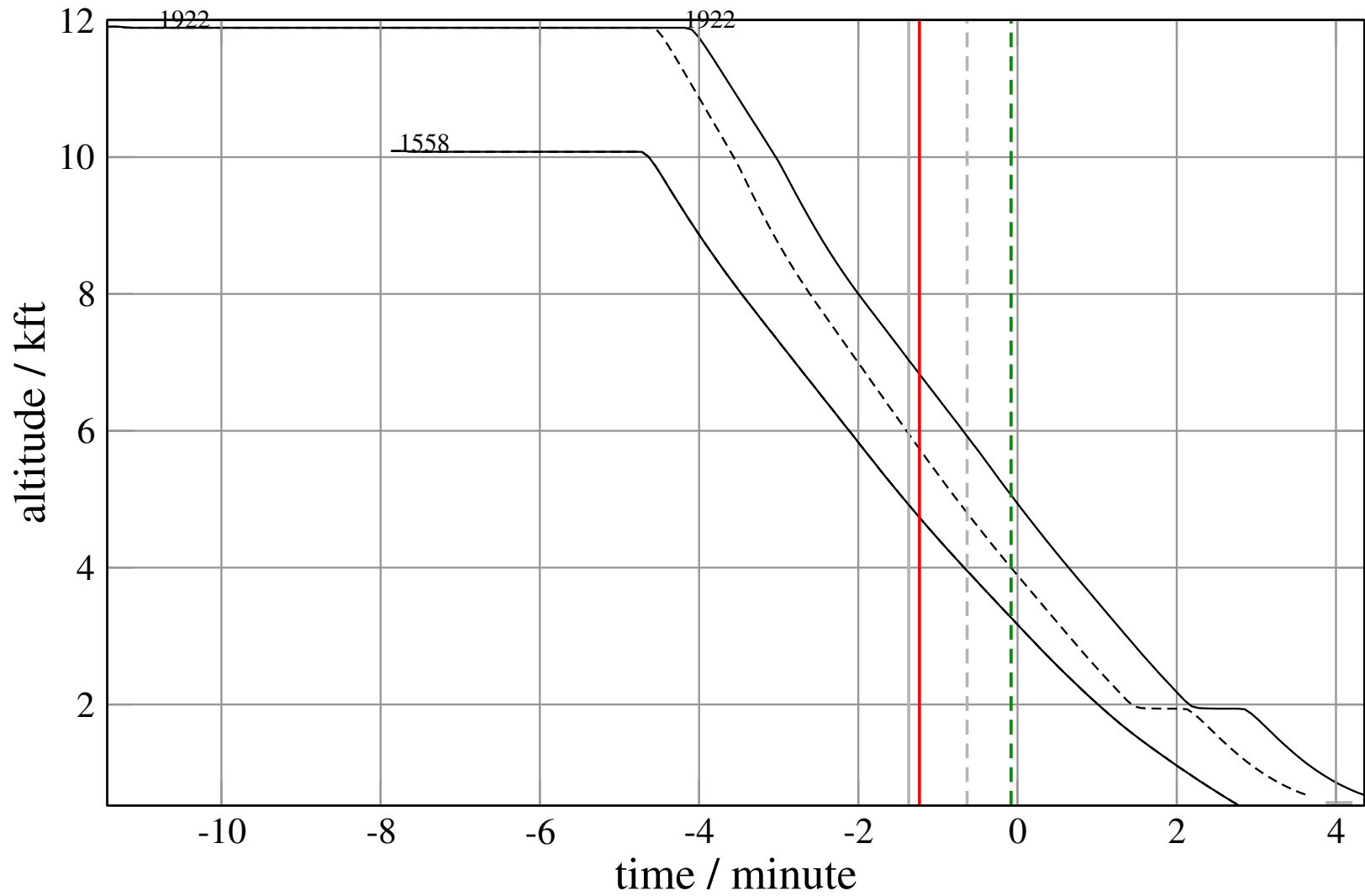
Maneuver Planview

+ A1922E-A1558D 0.674V->1.216V: A1922E speed dec 20 kn (+43 s) 1558-1922-24



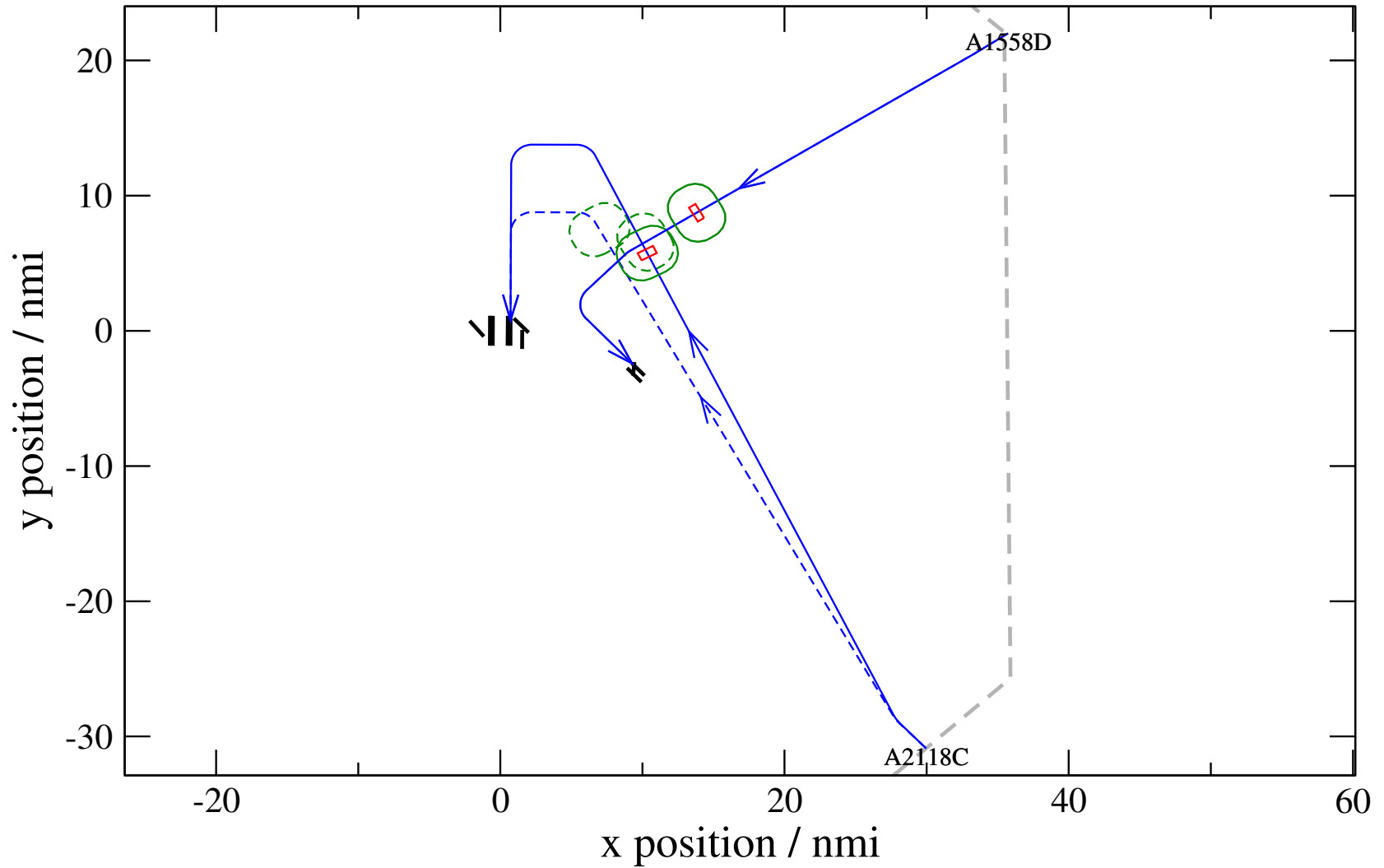
Maneuver Altitude Profiles

+ A1922E-A1558D 0.674V->1.216V: A1922E speed dec 20 kn (+43 s) 1558-1922-24



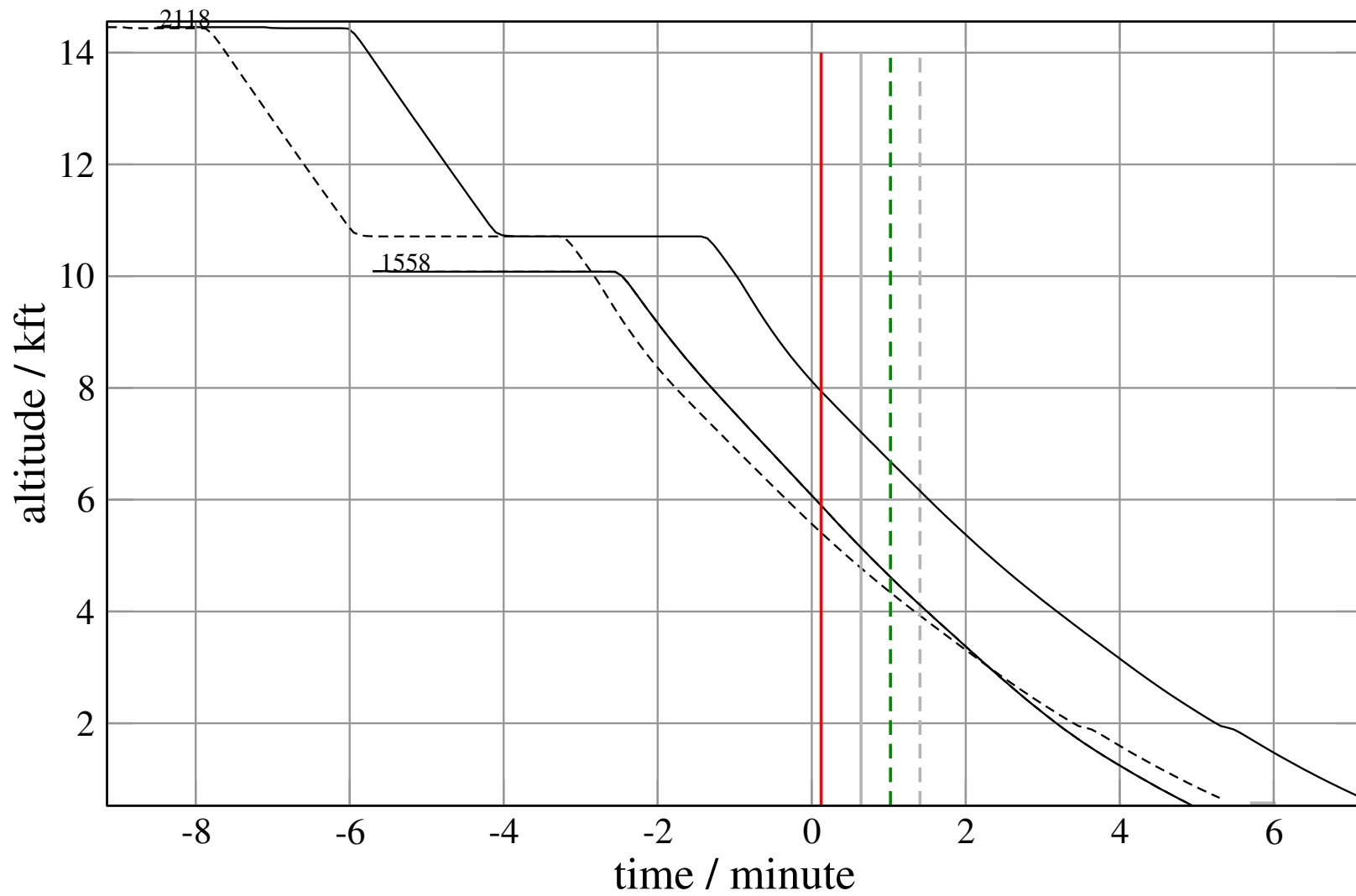
Maneuver Planview

+ A2118C-A1558D 0.729H->1.461V: A2118C reroute 0 deg, 6 nm, 13 nm (+111 s) 1558-2118-23



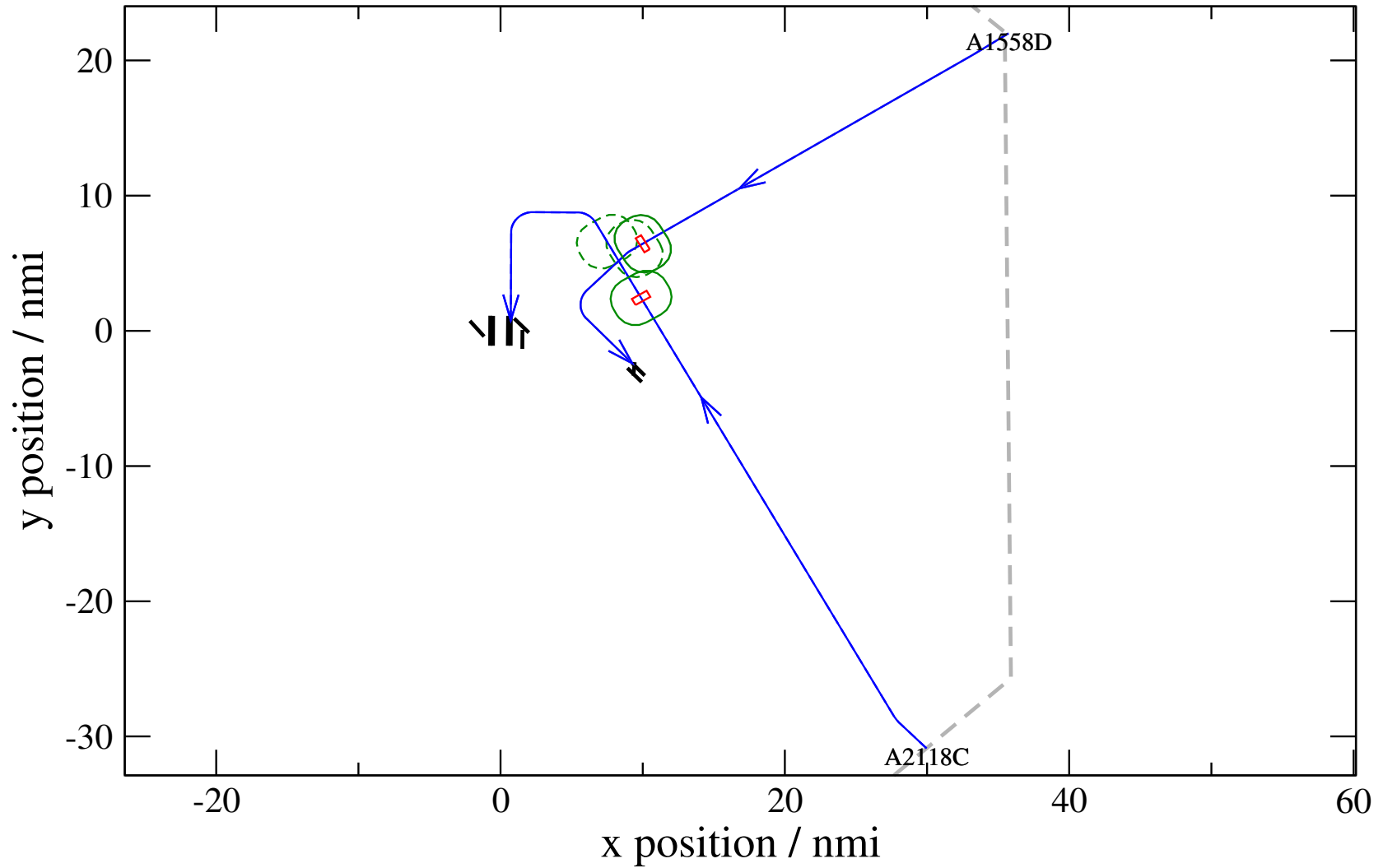
Maneuver Altitude Profiles

+ A2118C-A1558D 0.729H->1.461V: A2118C reroute 0 deg, 6 nm, 13 nm (+111 s) 1558-2118-23



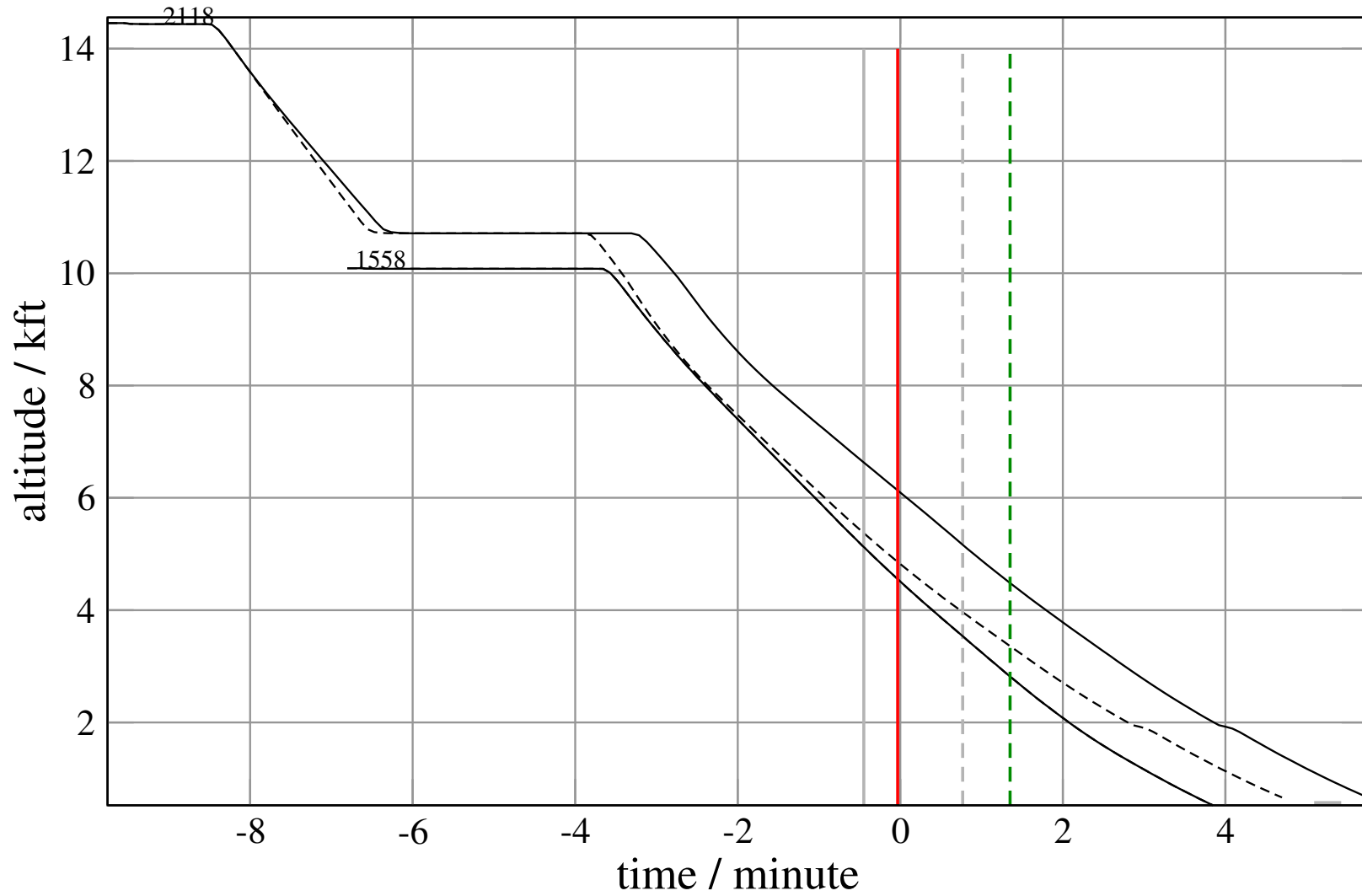
Maneuver Planview

+ A2118C-A1558D 0.278H->1.032V: A2118C speed dec 32 kn (+64 s) 1558-2118-24



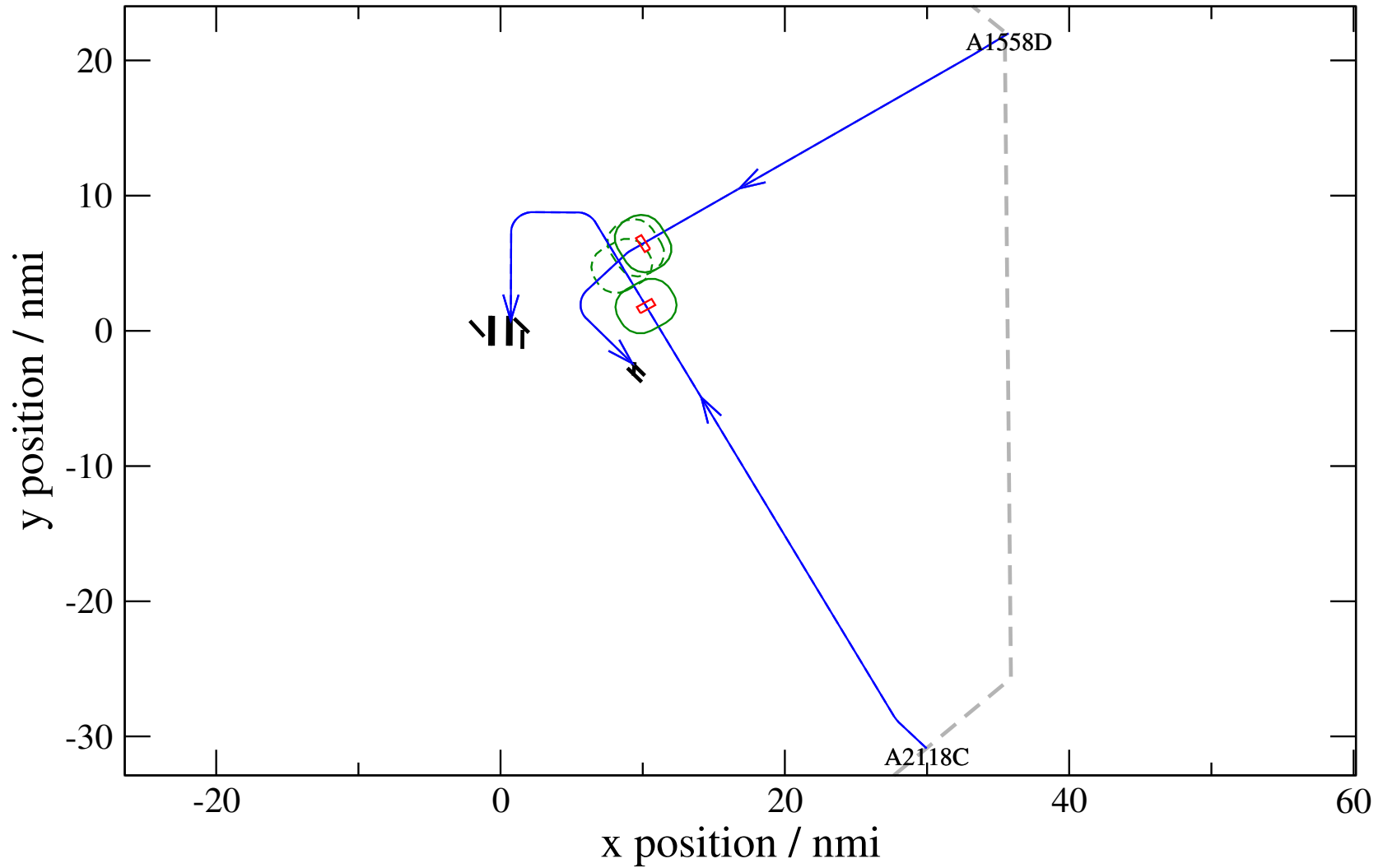
Maneuver Altitude Profiles

+ A2118C-A1558D 0.278H->1.032V: A2118C speed dec 32 kn (+64 s) 1558-2118-24



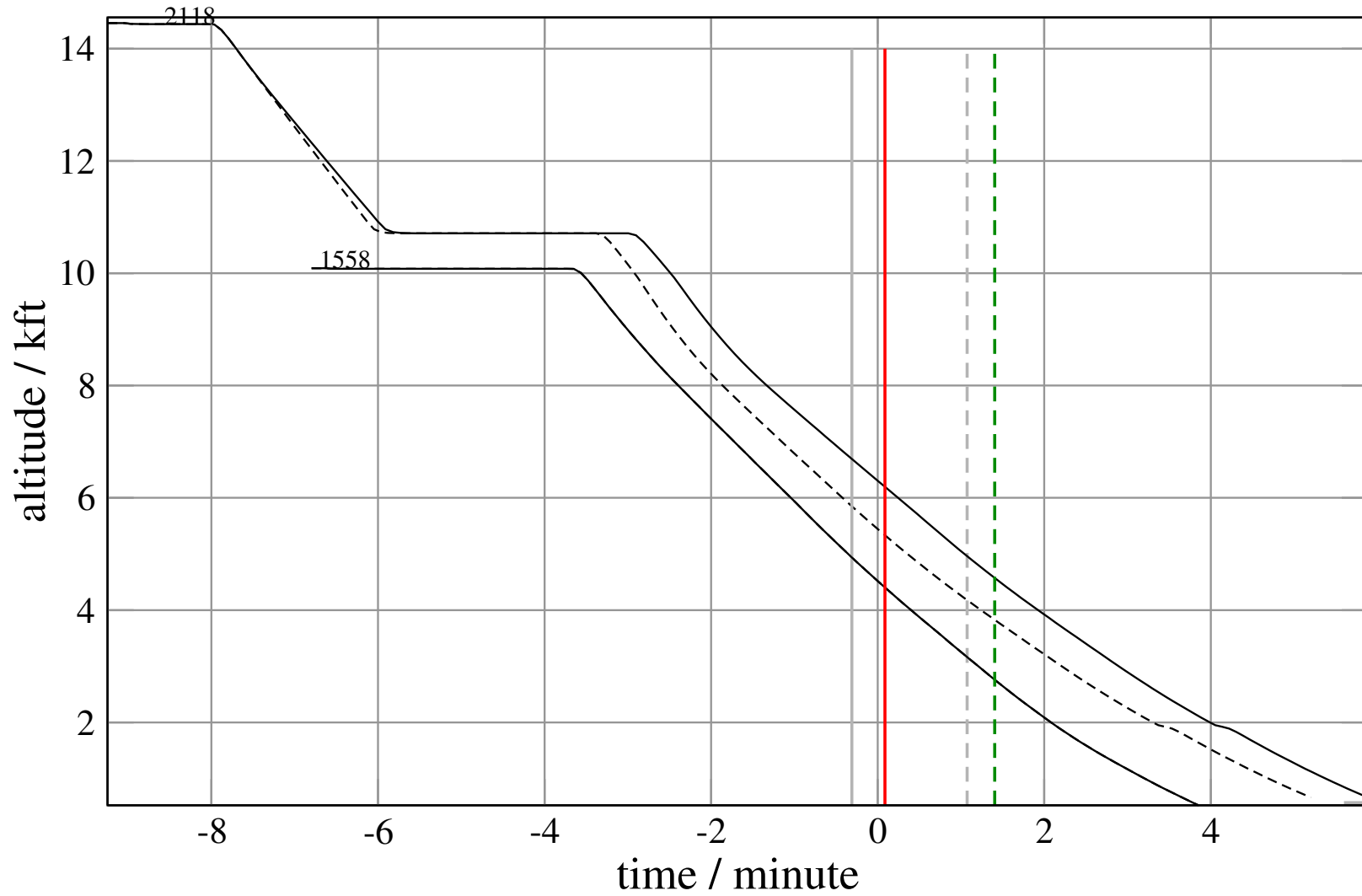
Maneuver Planview

+ A2118C-A1558D 0.386V->1.232H: A2118C speed dec 22 kn (+41 s) 1558-2118-25



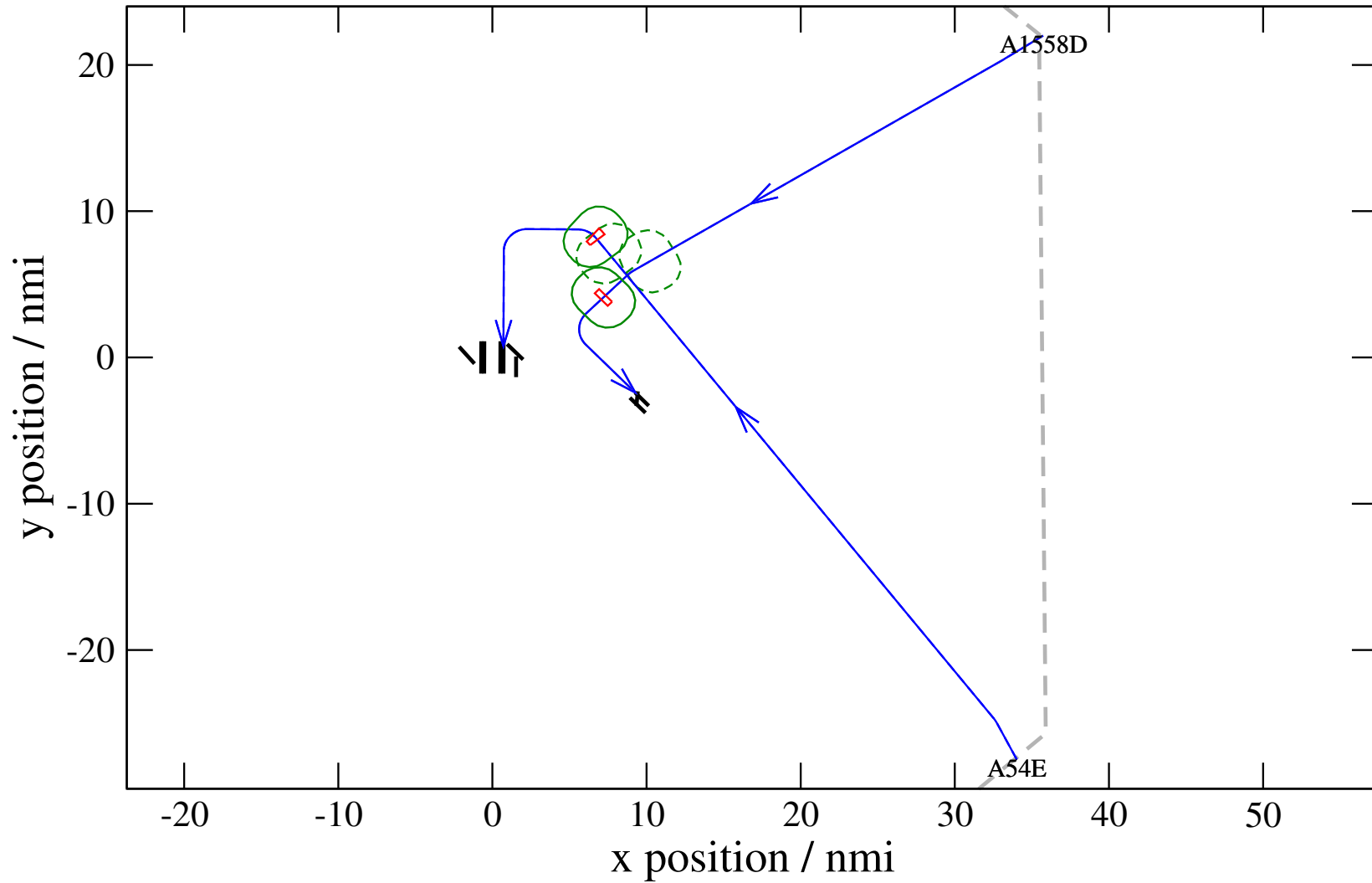
Maneuver Altitude Profiles

+ A2118C-A1558D 0.386V->1.232H: A2118C speed dec 22 kn (+41 s) 1558-2118-25



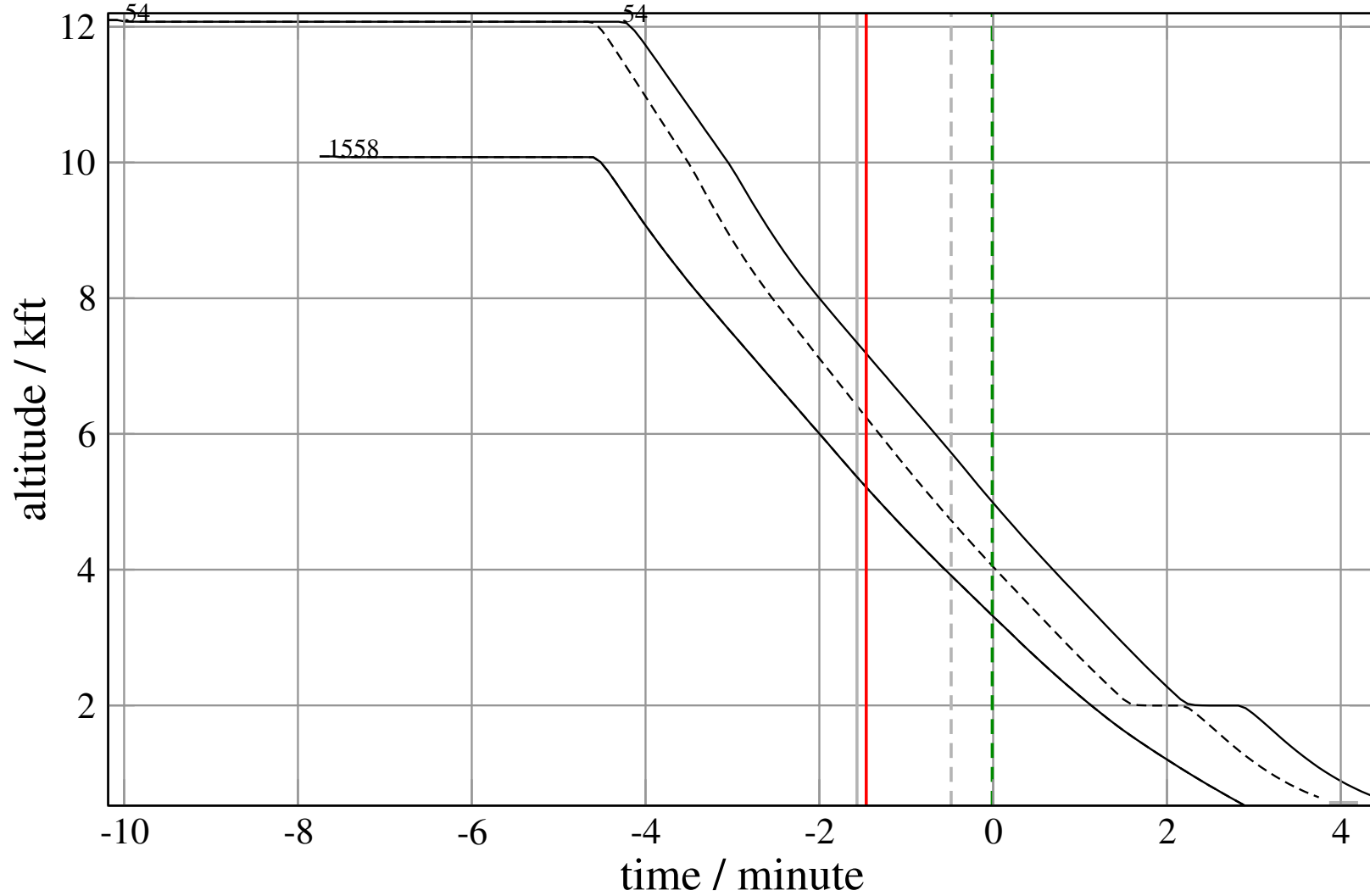
Maneuver Planview

+ A54E-A1558D 0.599V->1.121V: A54E speed dec 20 kn (+39 s) 1558-54-24



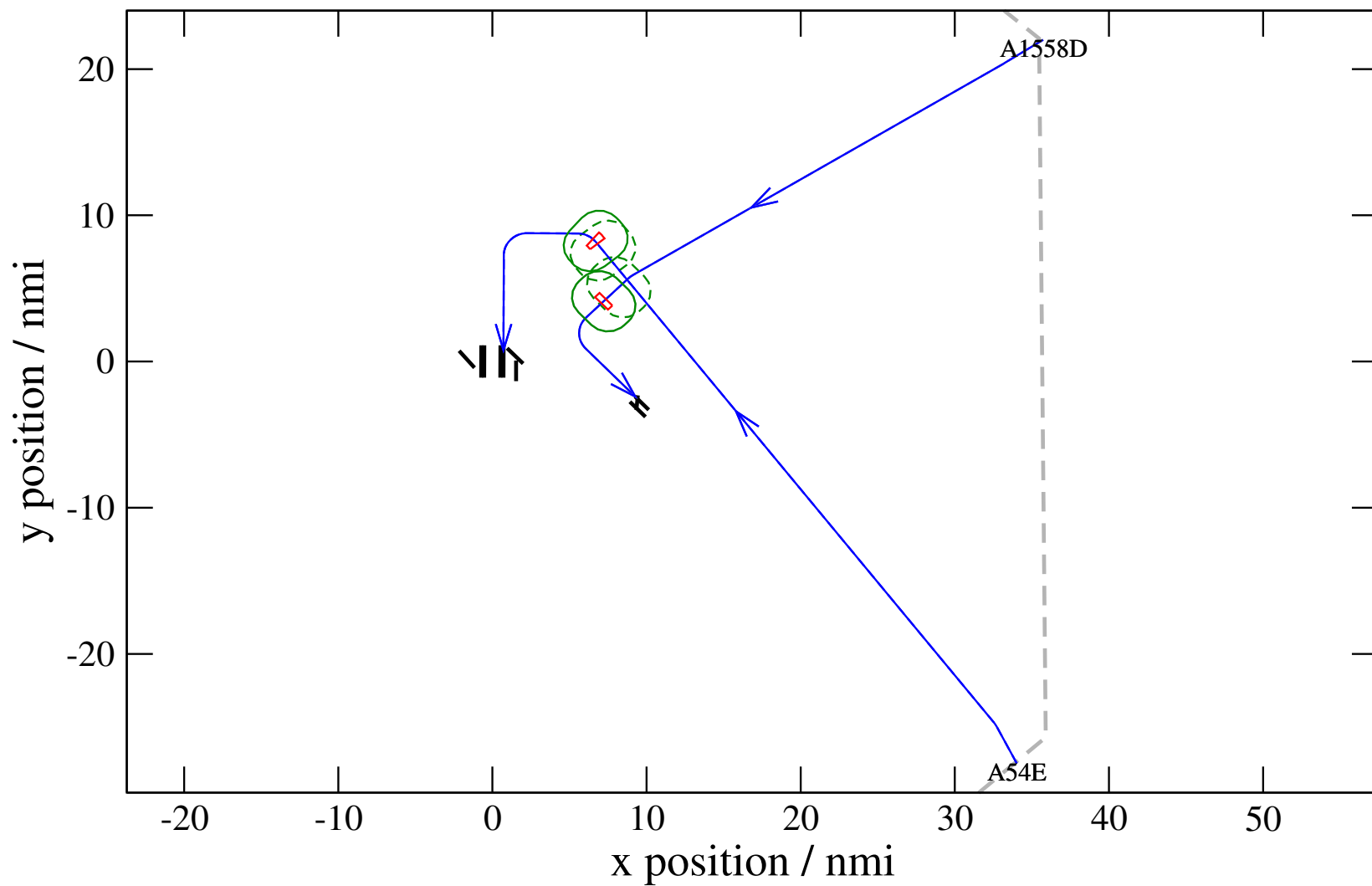
Maneuver Altitude Profiles

+ A54E-A1558D 0.599V->1.121V: A54E speed dec 20 kn (+39 s) 1558-54-24



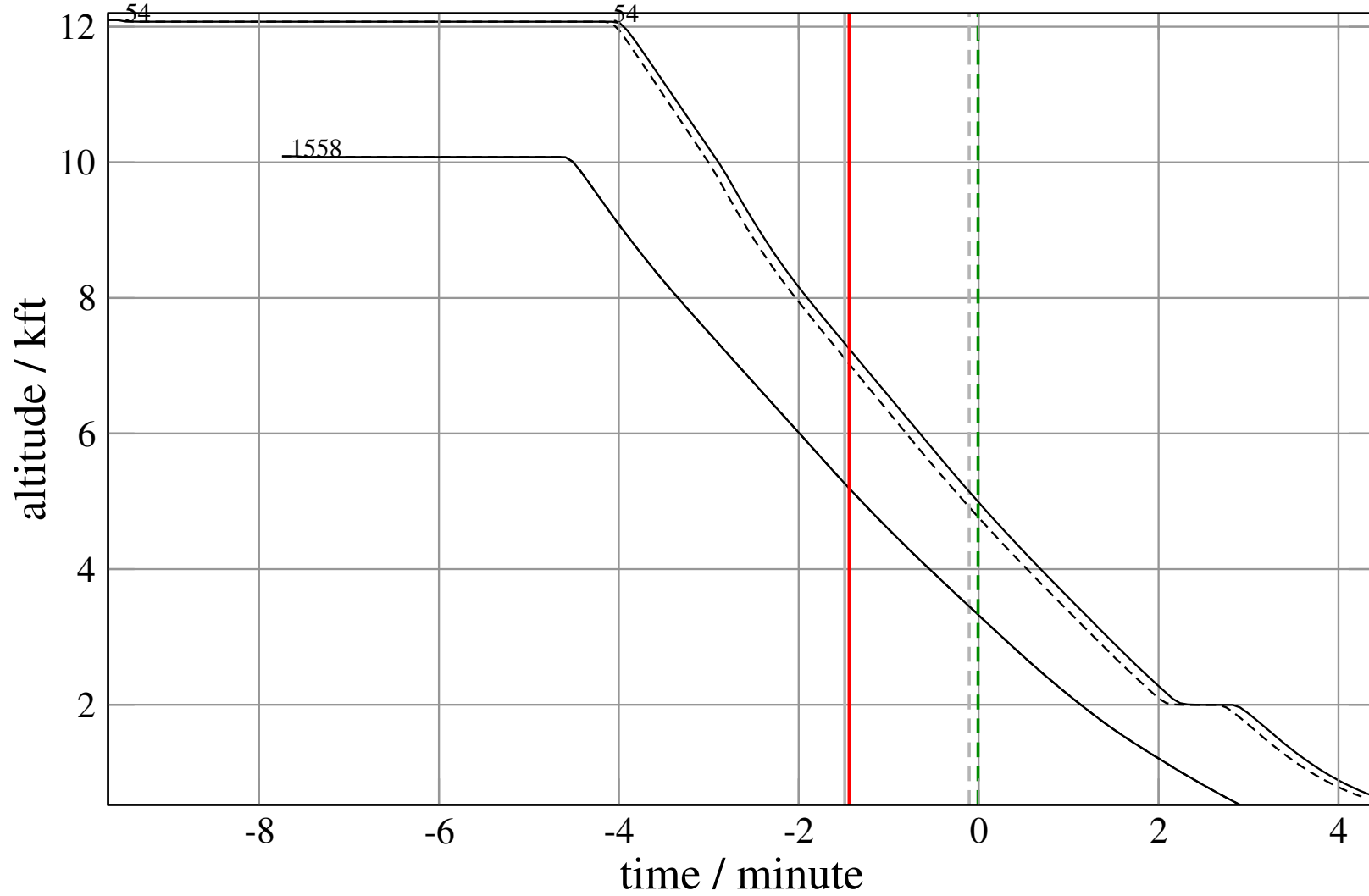
Maneuver Planview

+ A54E-A1558D 0.982V->1.115H: A54E speed dec 5 kn (+9 s) 1558-54-25



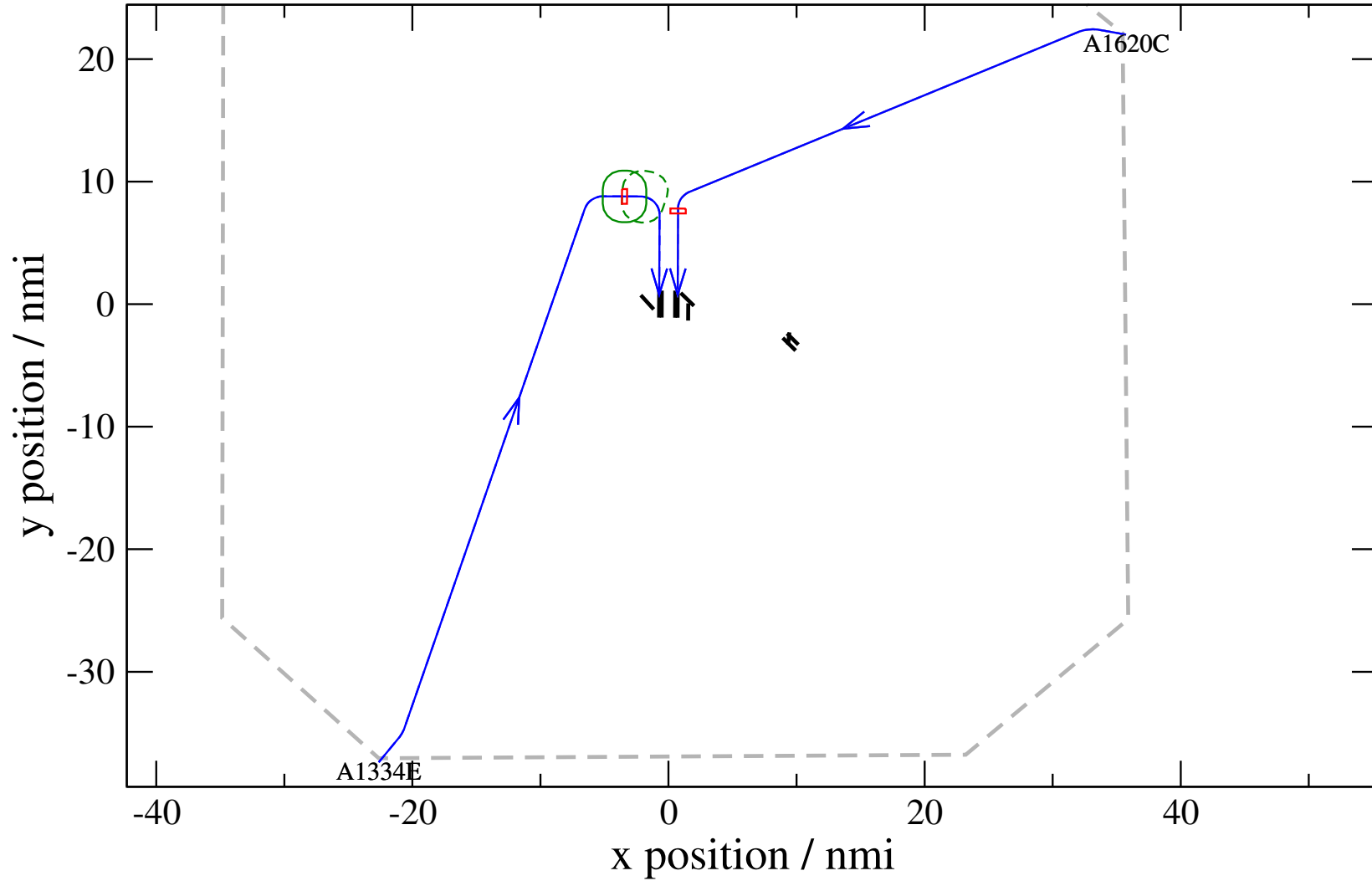
Maneuver Altitude Profiles

+ A54E-A1558D 0.982V->1.115H: A54E speed dec 5 kn (+9 s) 1558-54-25



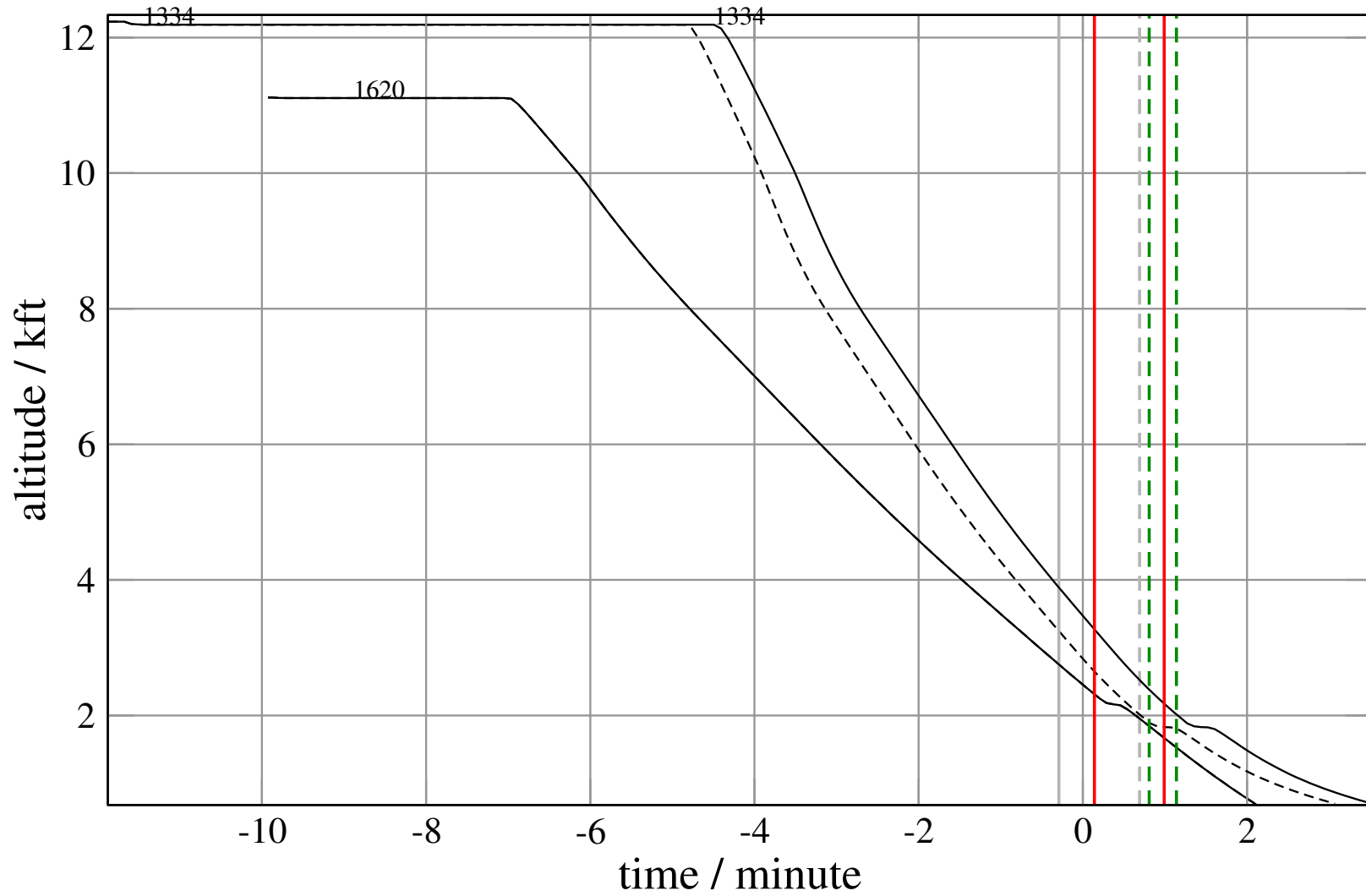
Maneuver Planview

+ A1334E-A1620C 0.685H->1.135H: A1334E speed dec 15 kn (+27 s) 1334-1620-29



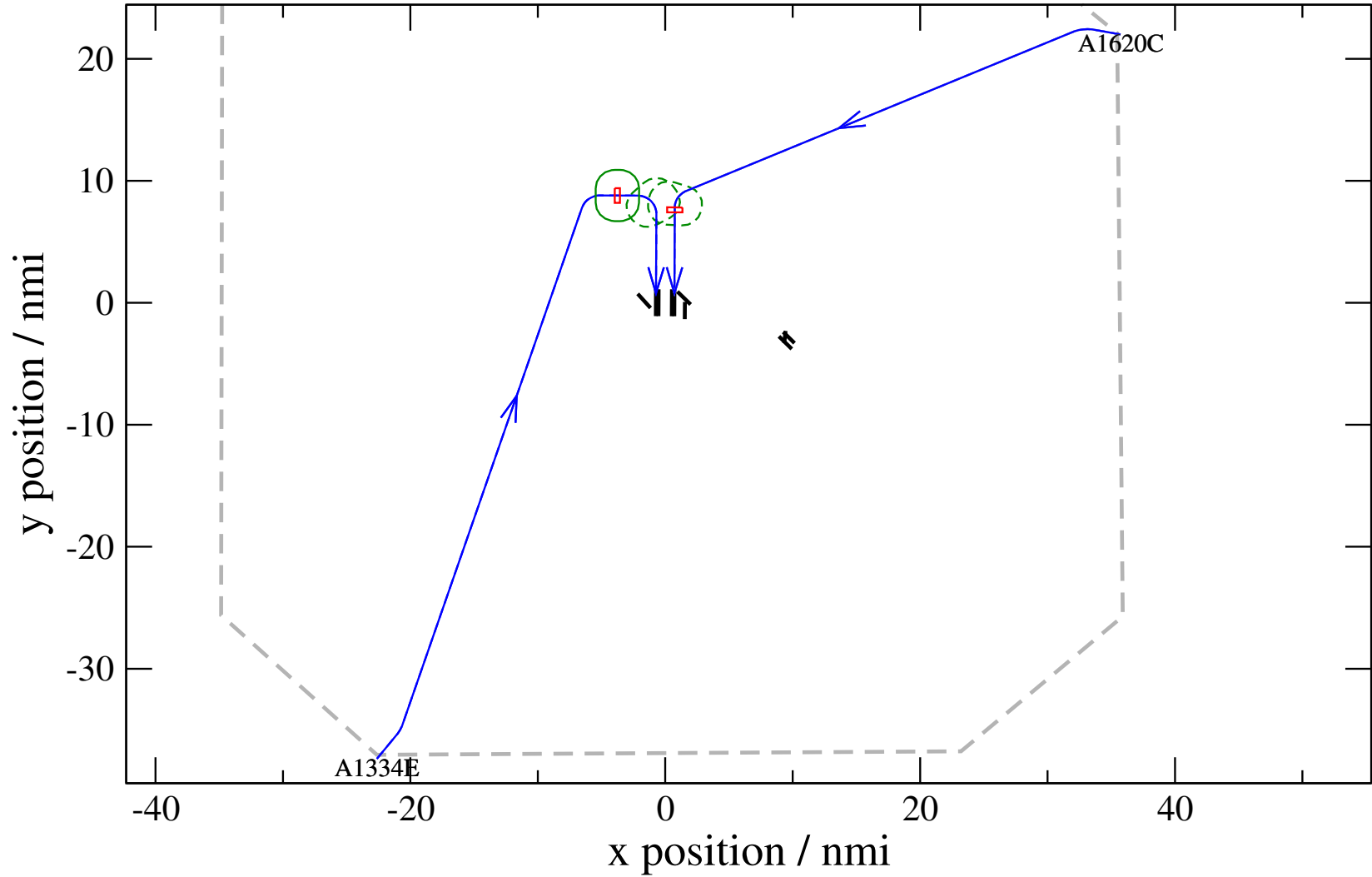
Maneuver Altitude Profiles

+ A1334E-A1620C 0.685H->1.135H: A1334E speed dec 15 kn (+27 s) 1334-1620-29



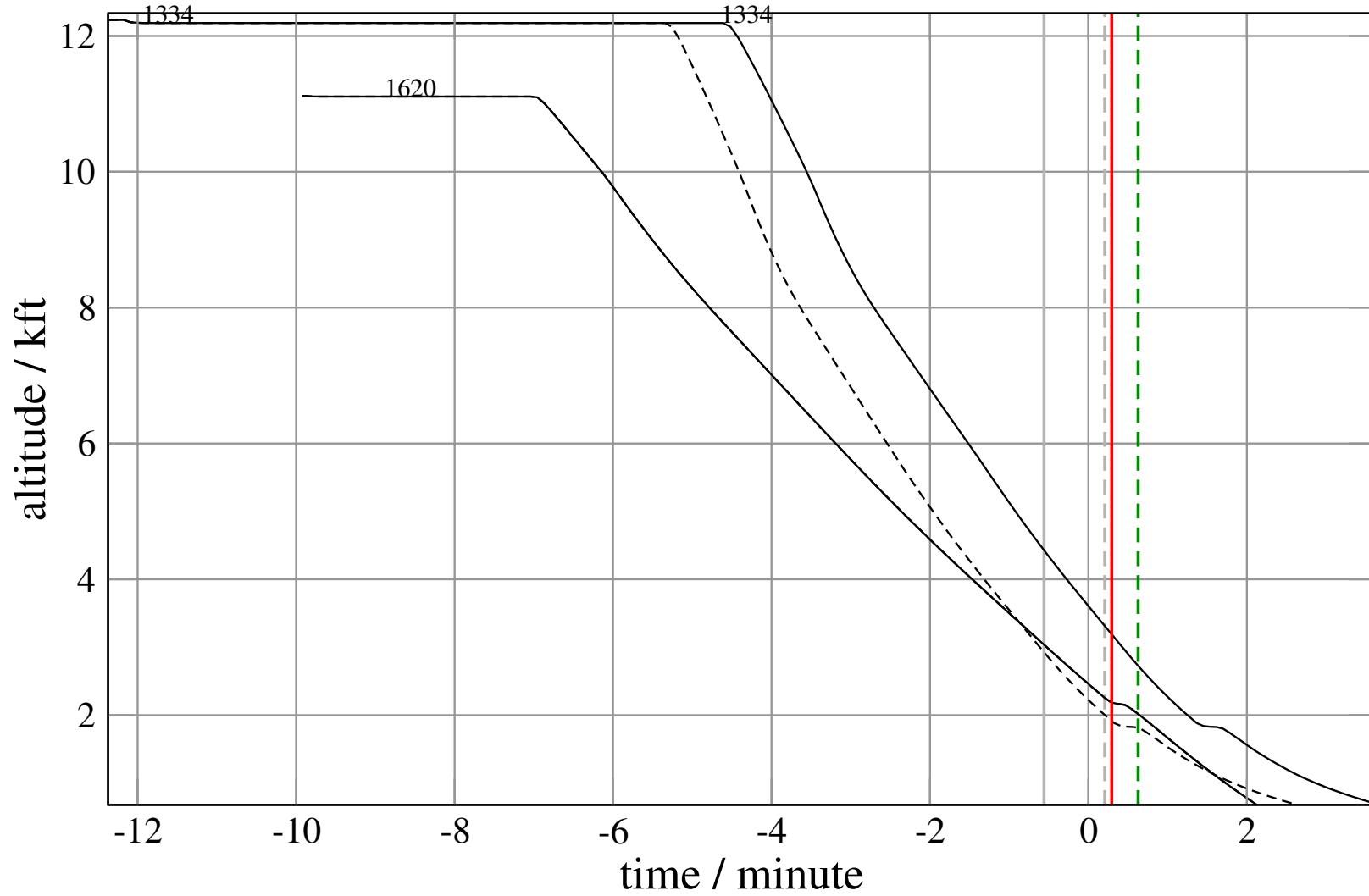
Maneuver Planview

+ A1334E-A1620C 0.185V->1.242H: A1334E speed dec 30 kn (+62 s) 1334-1620-30



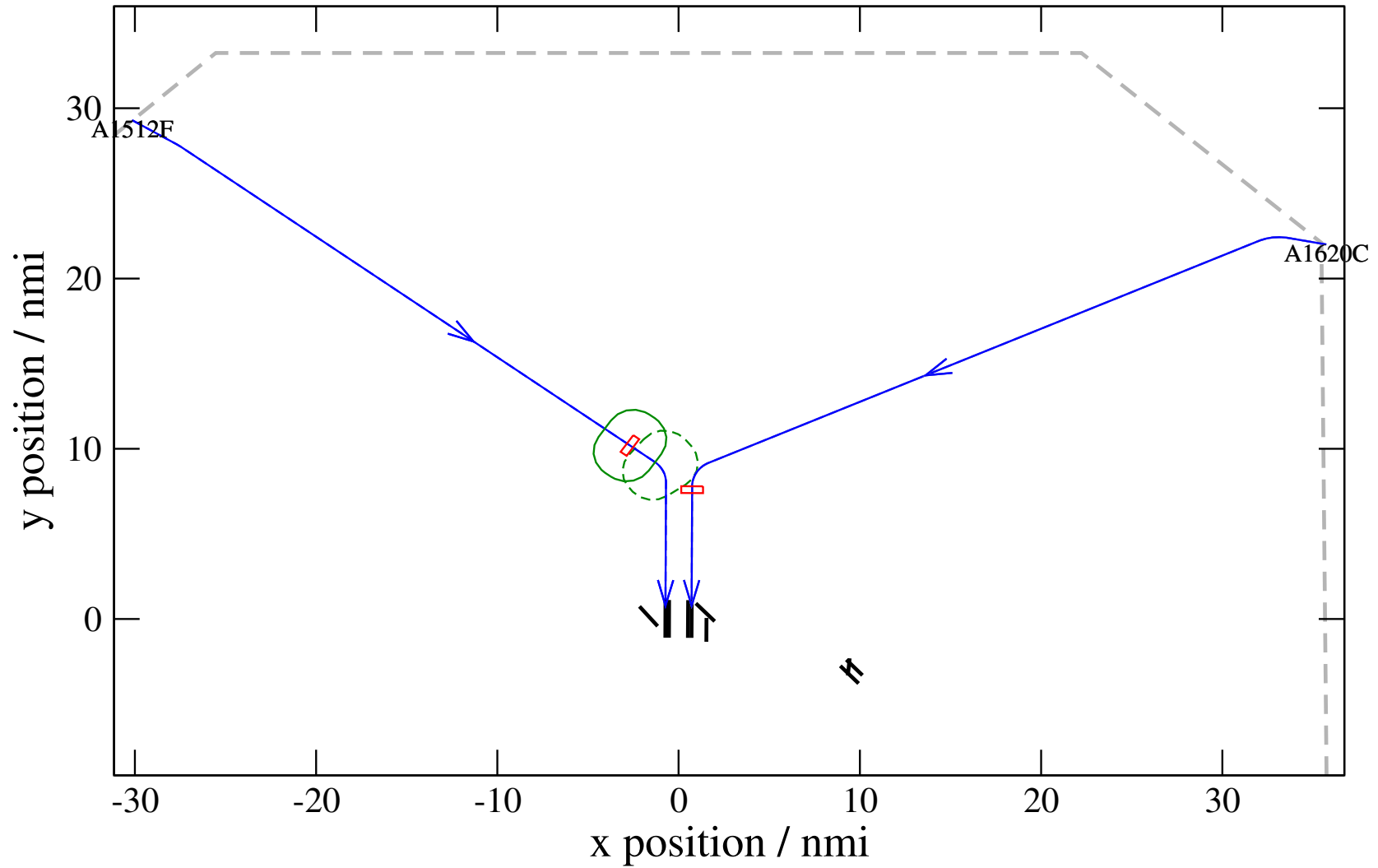
Maneuver Altitude Profiles

+ A1334E-A1620C 0.185V->1.242H: A1334E speed dec 30 kn (+62 s) 1334-1620-30



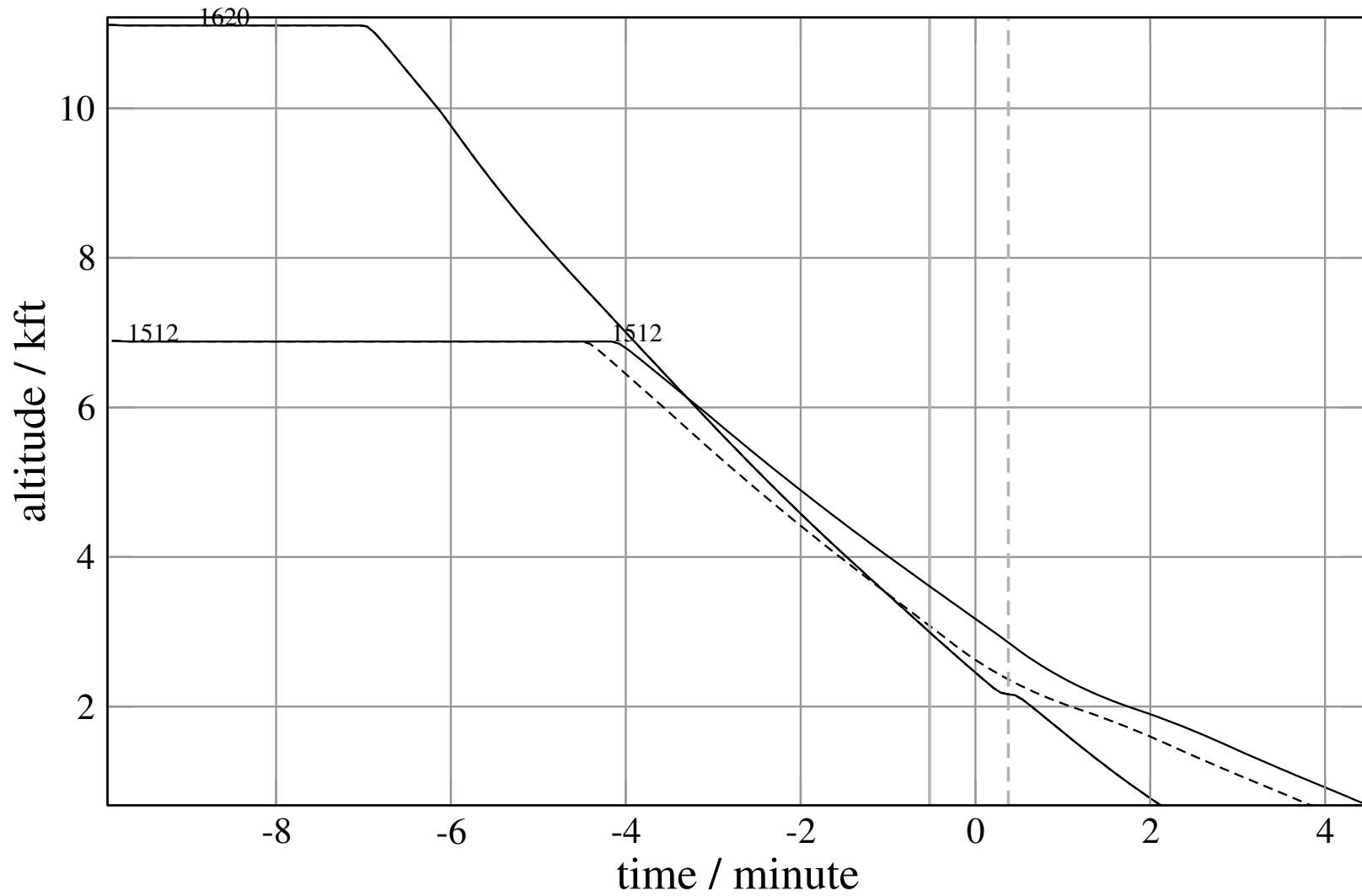
Maneuver Planview

+ A1512F-A1620C 0.452H->1.163H: A1512F speed dec 15 kn (+39 s) 1512-1620-25



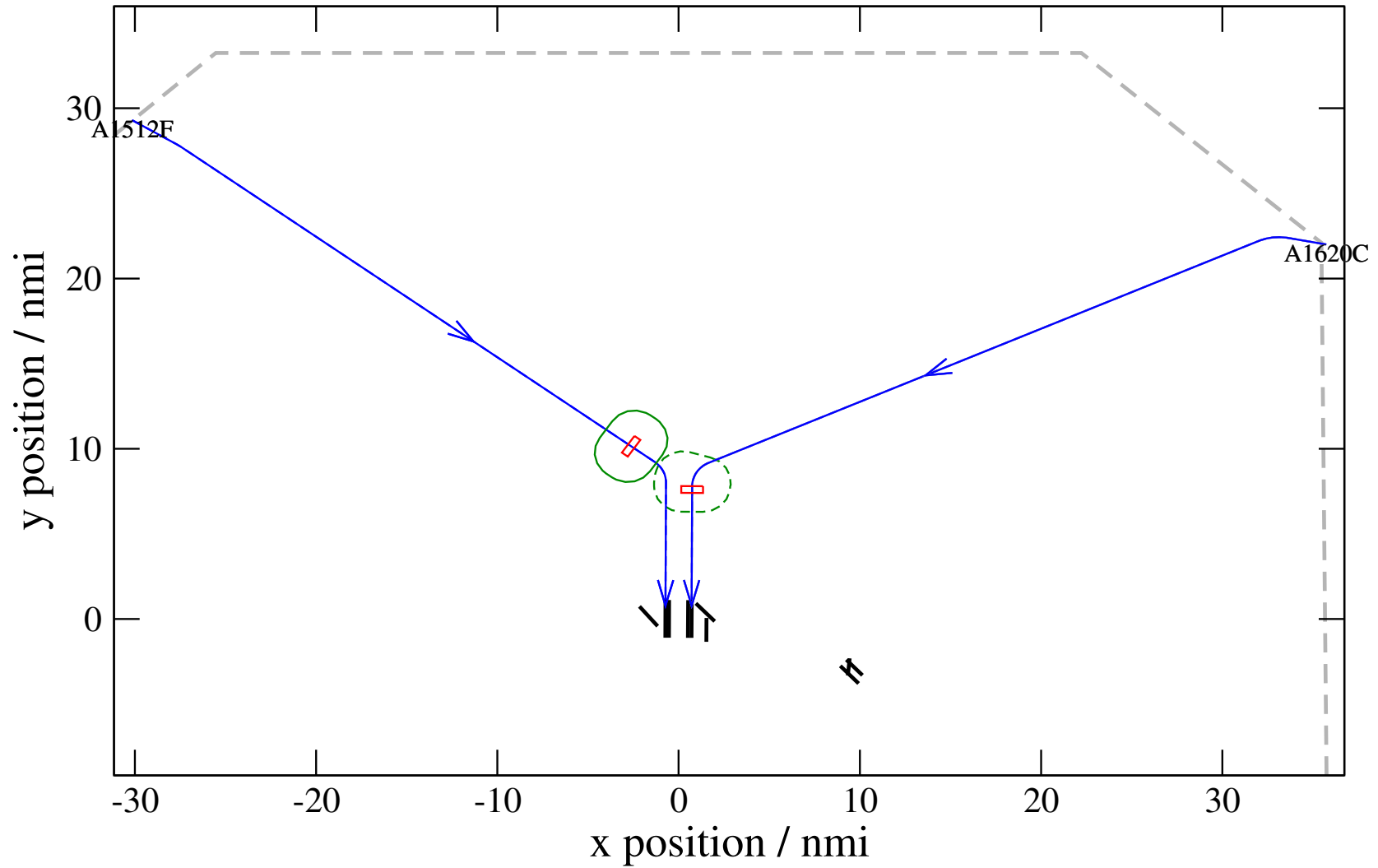
Maneuver Altitude Profiles

+ A1512F-A1620C 0.452H->1.163H: A1512F speed dec 15 kn (+39 s) 1512-1620-25



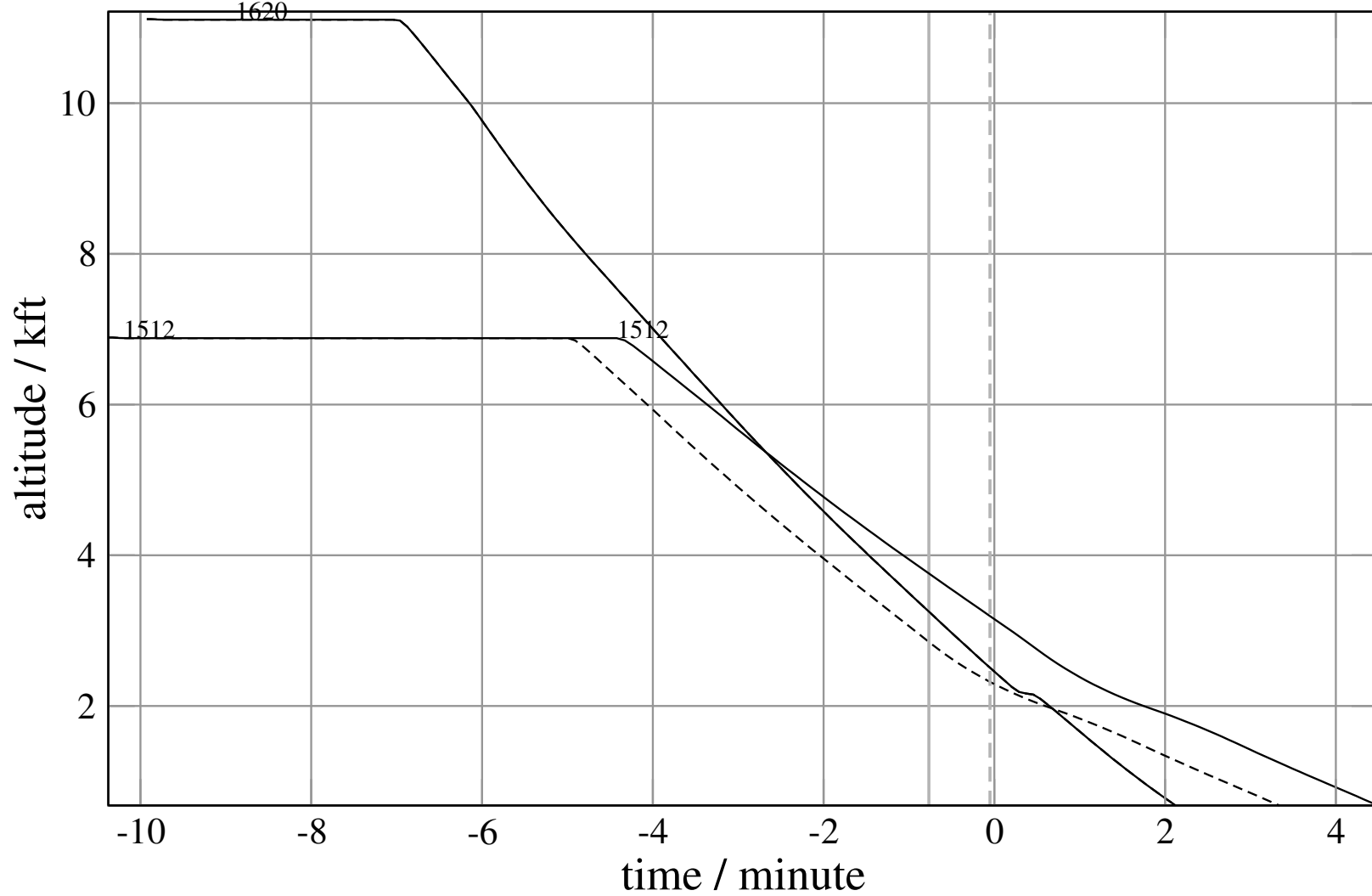
Maneuver Planview

+ A1512F-A1620C 0.113H->1.135H: A1512F speed dec 25 kn (+69 s) 1512-1620-26



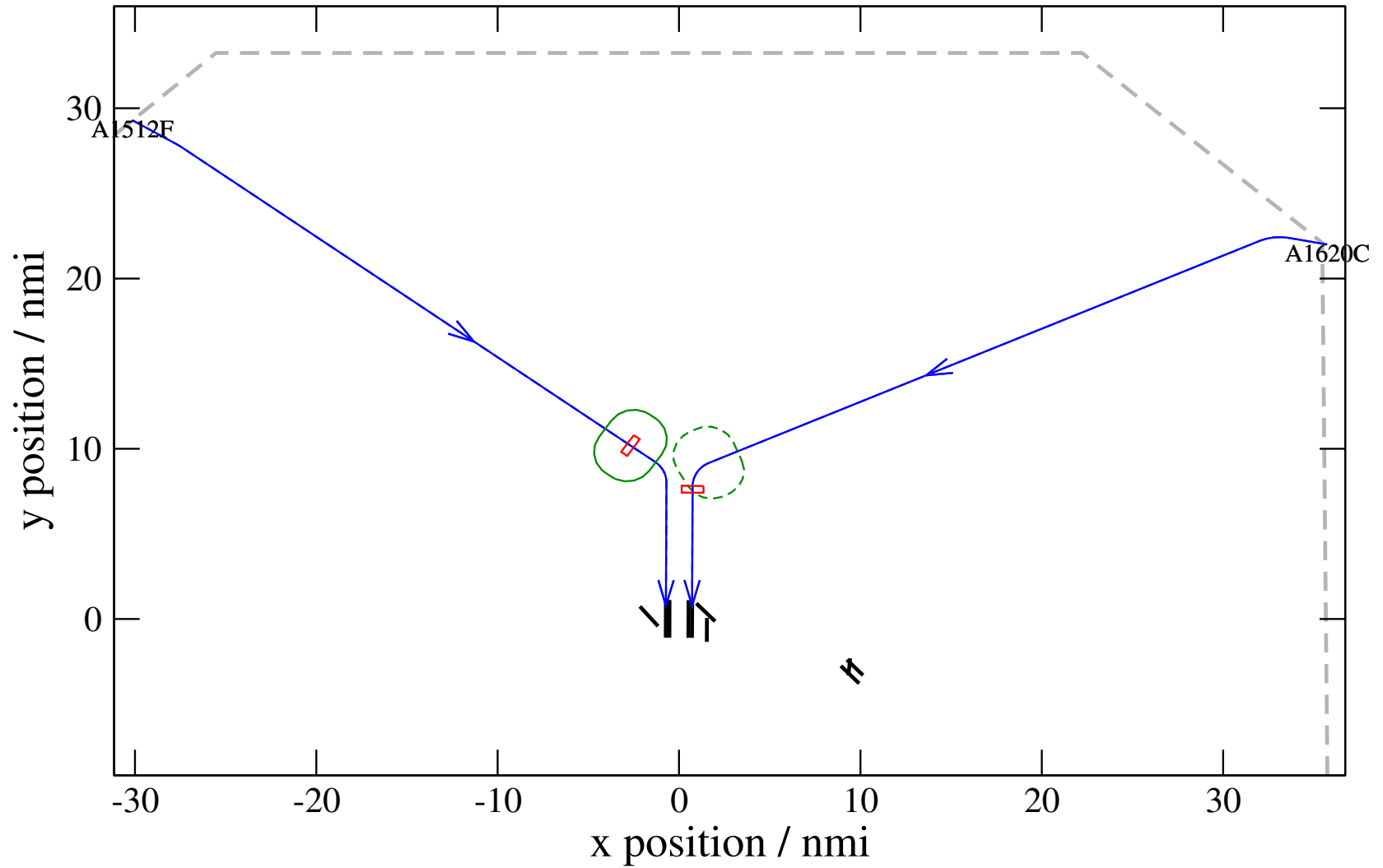
Maneuver Altitude Profiles

+ A1512F-A1620C 0.113H->1.135H: A1512F speed dec 25 kn (+69 s) 1512-1620-26



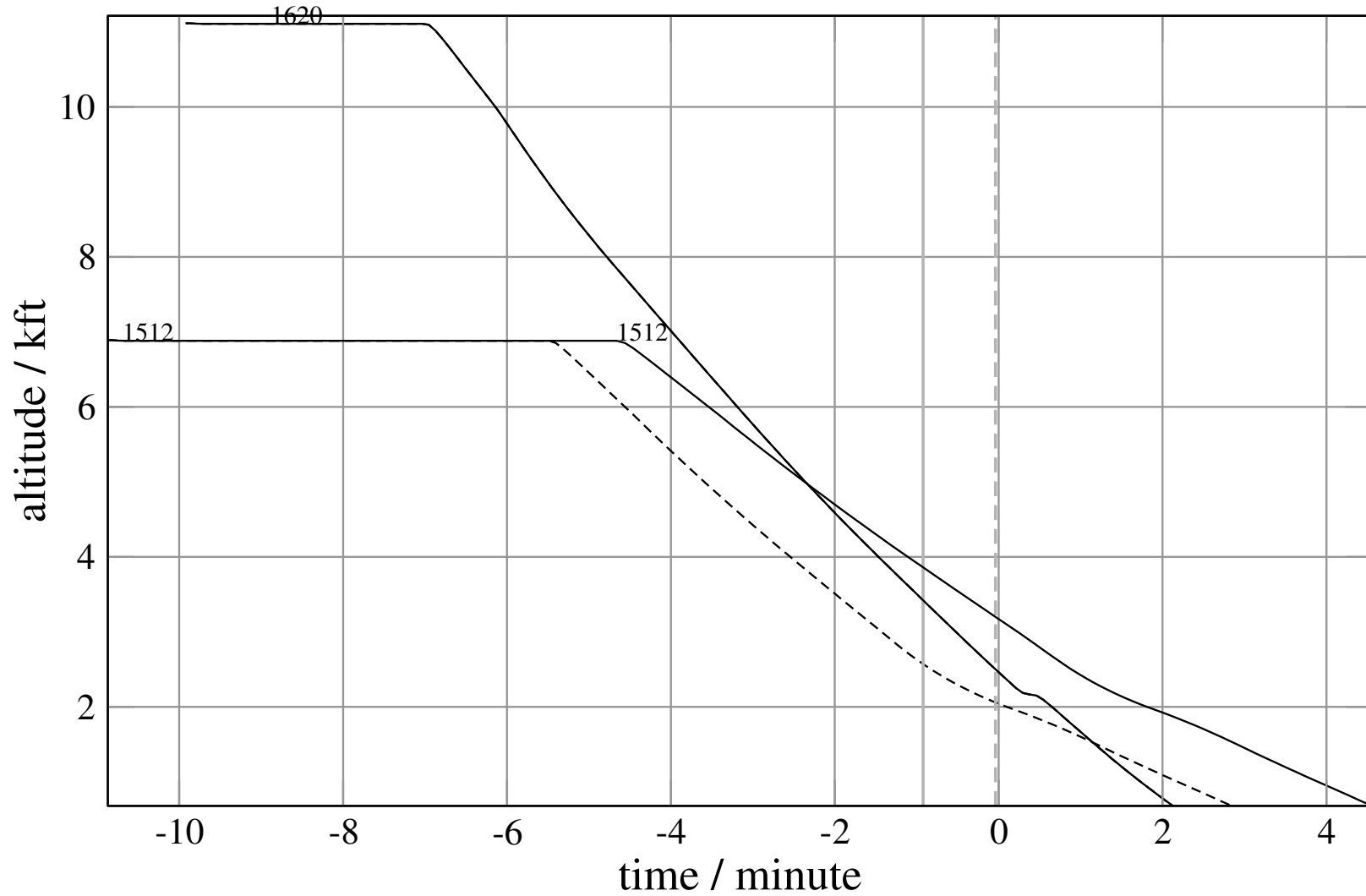
Maneuver Planview

+ A1512F-A1620C 0.636H->1.155H: A1512F speed dec 35 kn (+103 s) 1512-1620-27



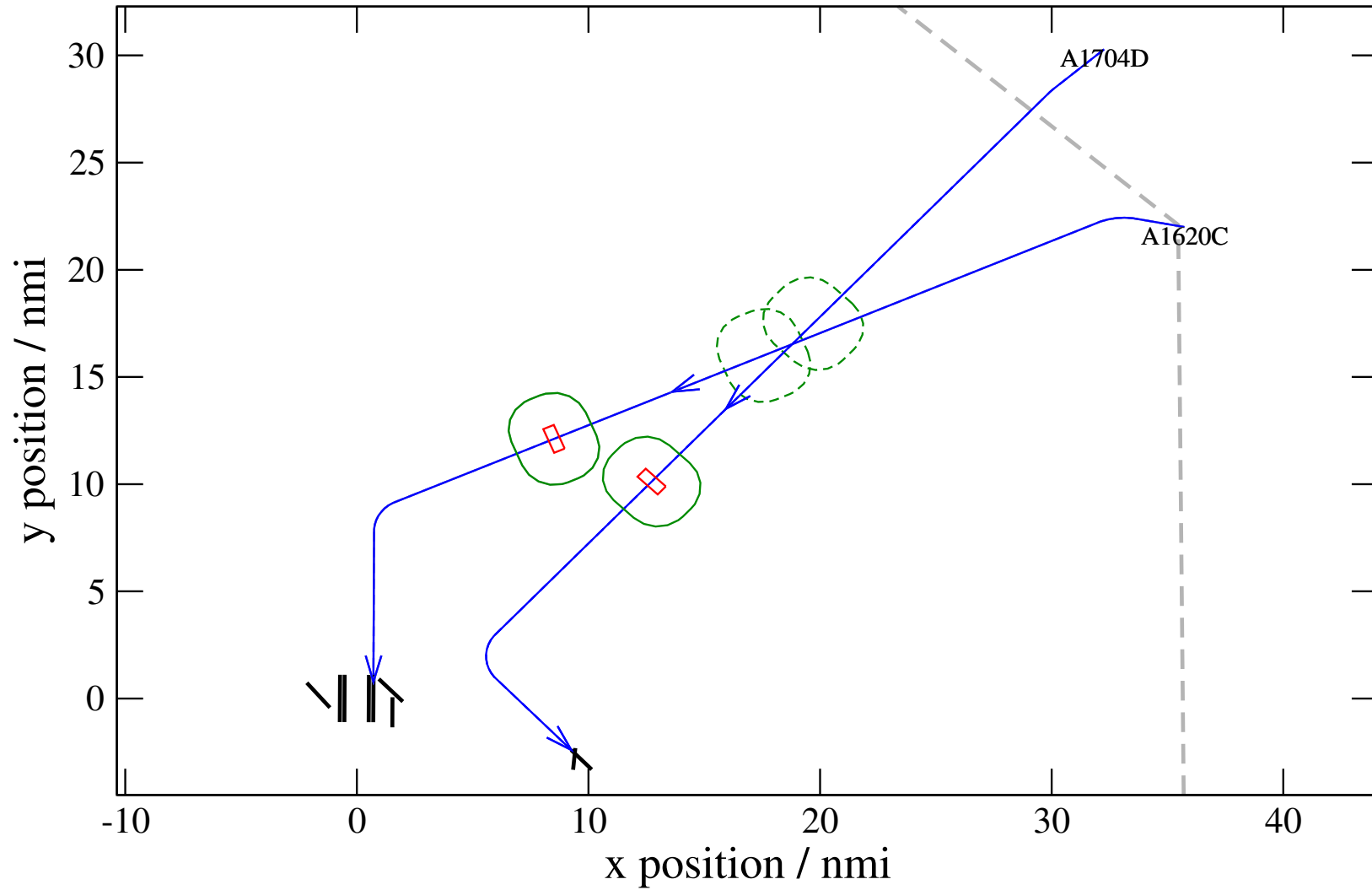
Maneuver Altitude Profiles

+ A1512F-A1620C 0.636H->1.155H: A1512F speed dec 35 kn (+103 s) 1512-1620-27



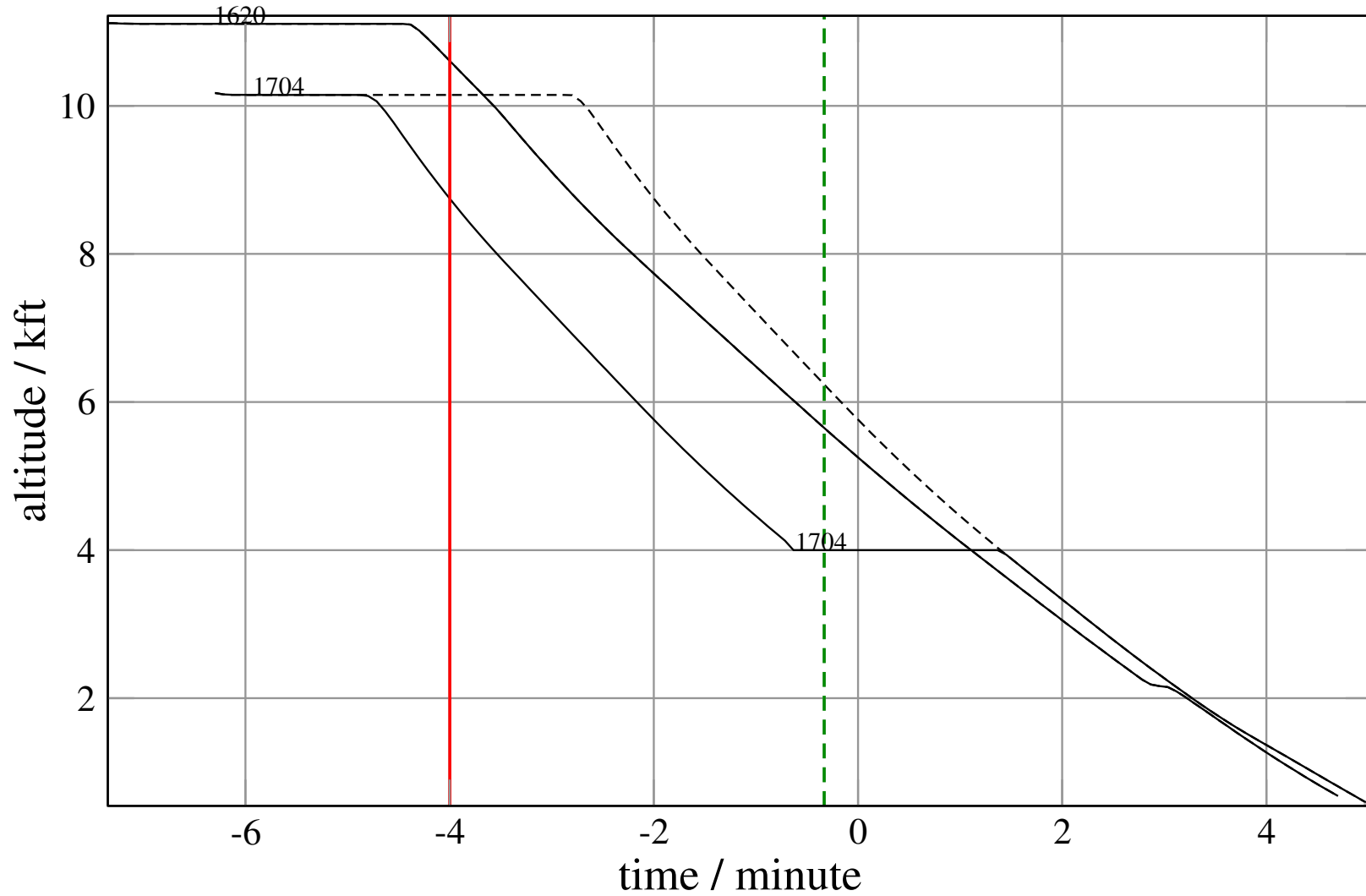
Maneuver Planview

+ A1704D-A1620C 0.570H->1.135H: A1704D temp alt 4.0 kft, 2.0 Min (+0 s) 1704-1620-23



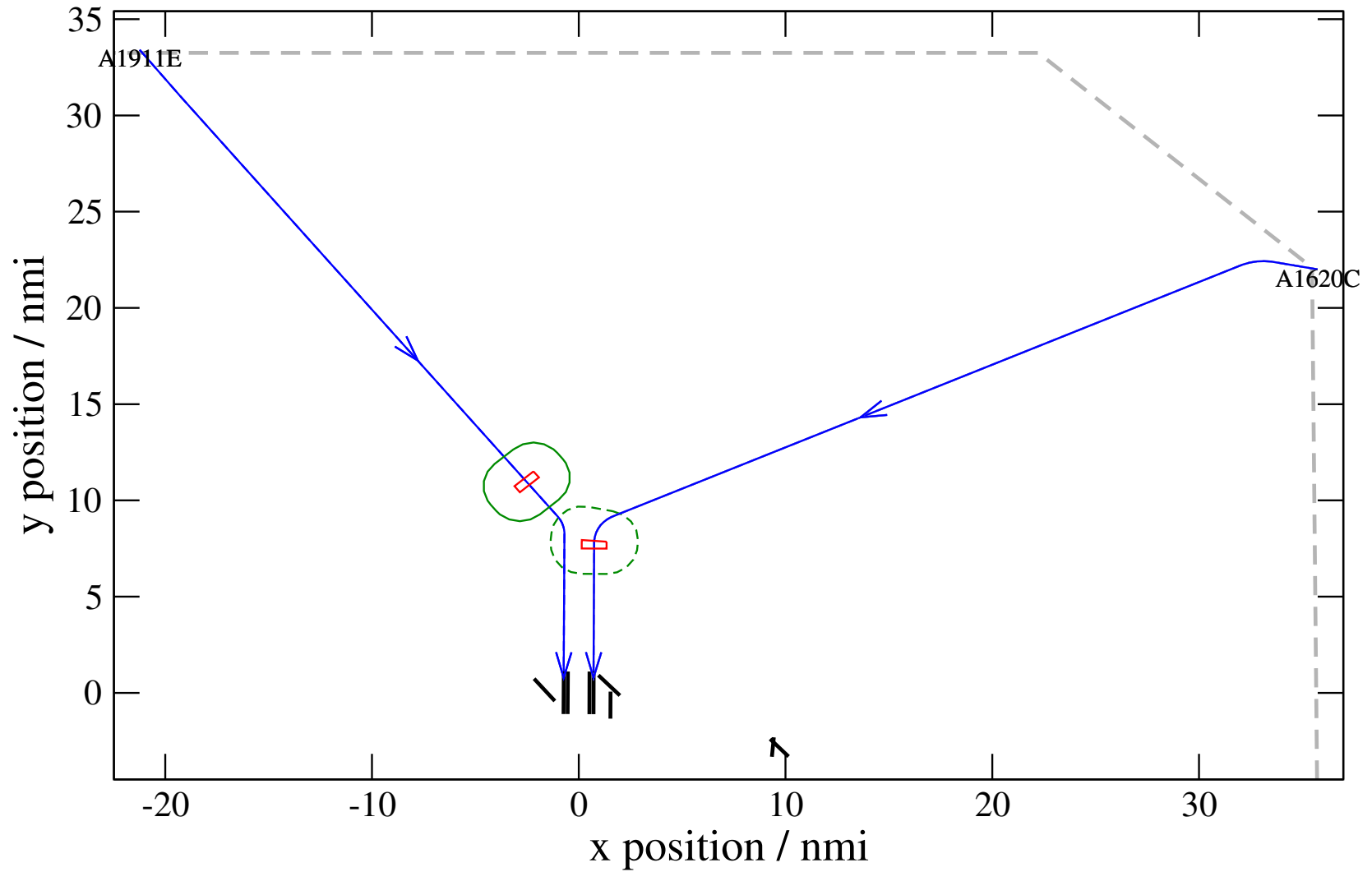
Maneuver Altitude Profiles

+ A1704D-A1620C 0.570H->1.135H: A1704D temp alt 4.0 kft, 2.0 Min (+0 s) 1704-1620-23



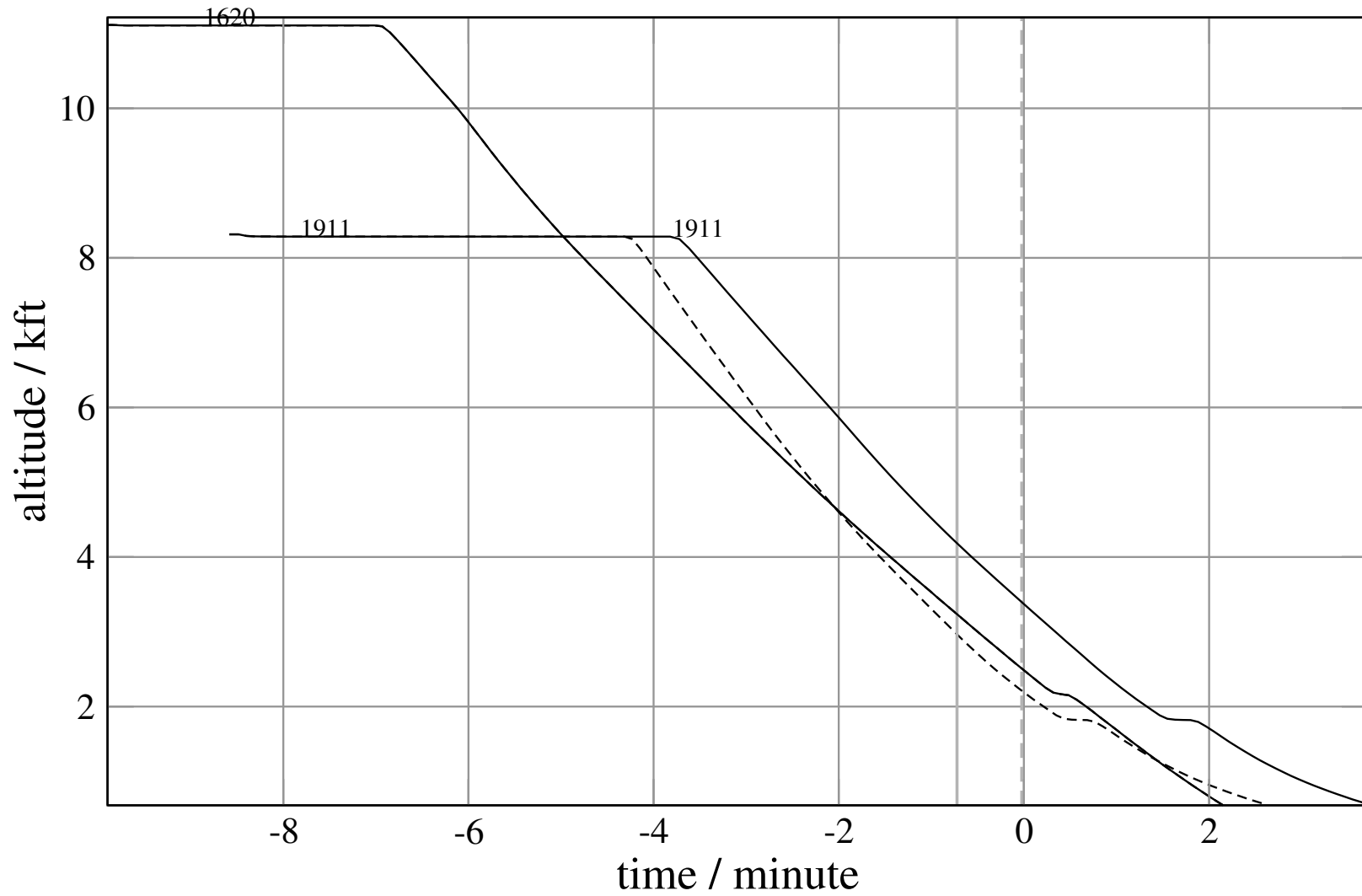
Maneuver Planview

+ A1911E-A1620C 0.173V->1.274H: A1911E speed dec 45 kn (+67 s) 1620-1911-26



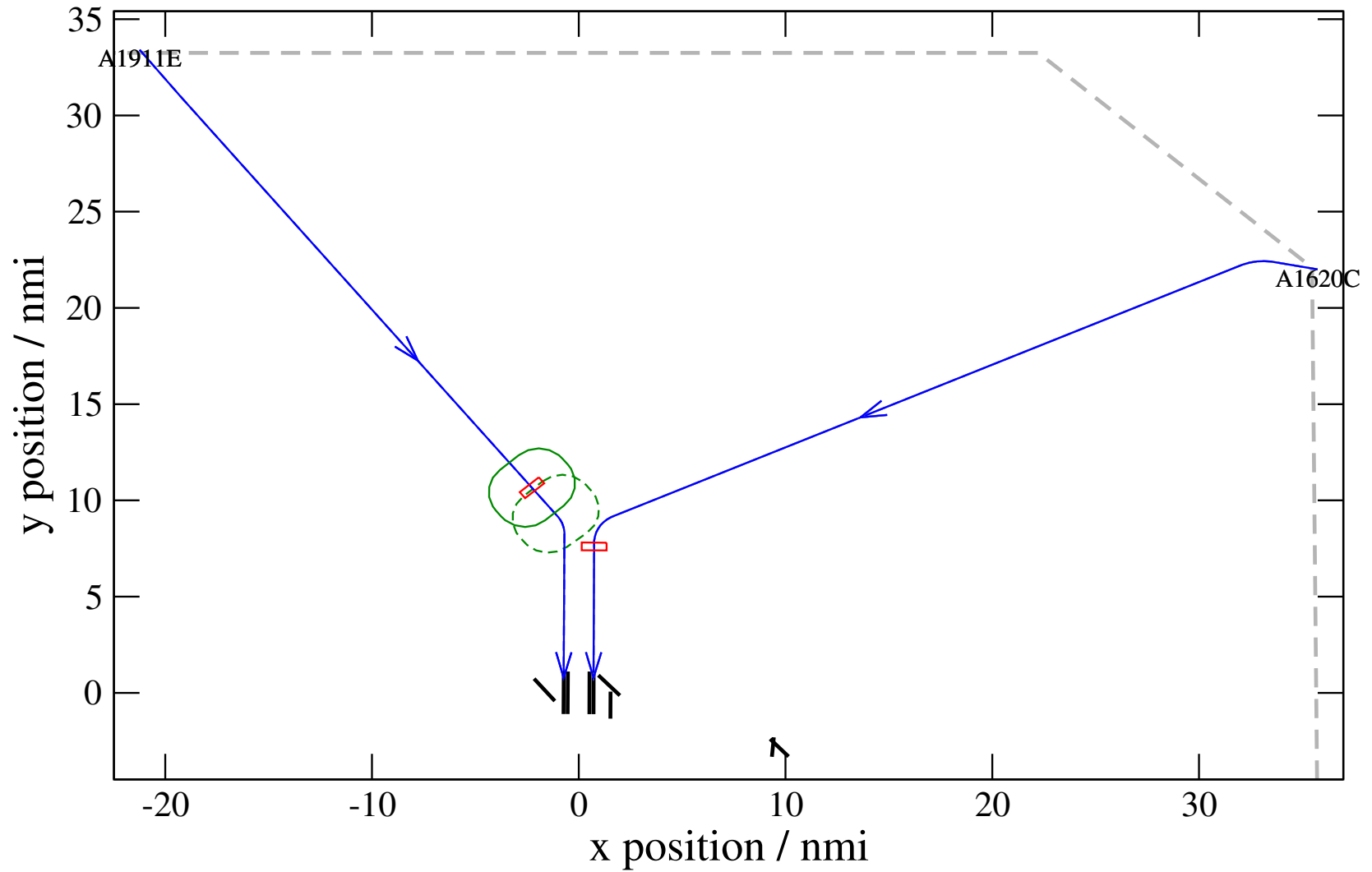
Maneuver Altitude Profiles

+ A1911E-A1620C 0.173V->1.274H: A1911E speed dec 45 kn (+67 s) 1620-1911-26



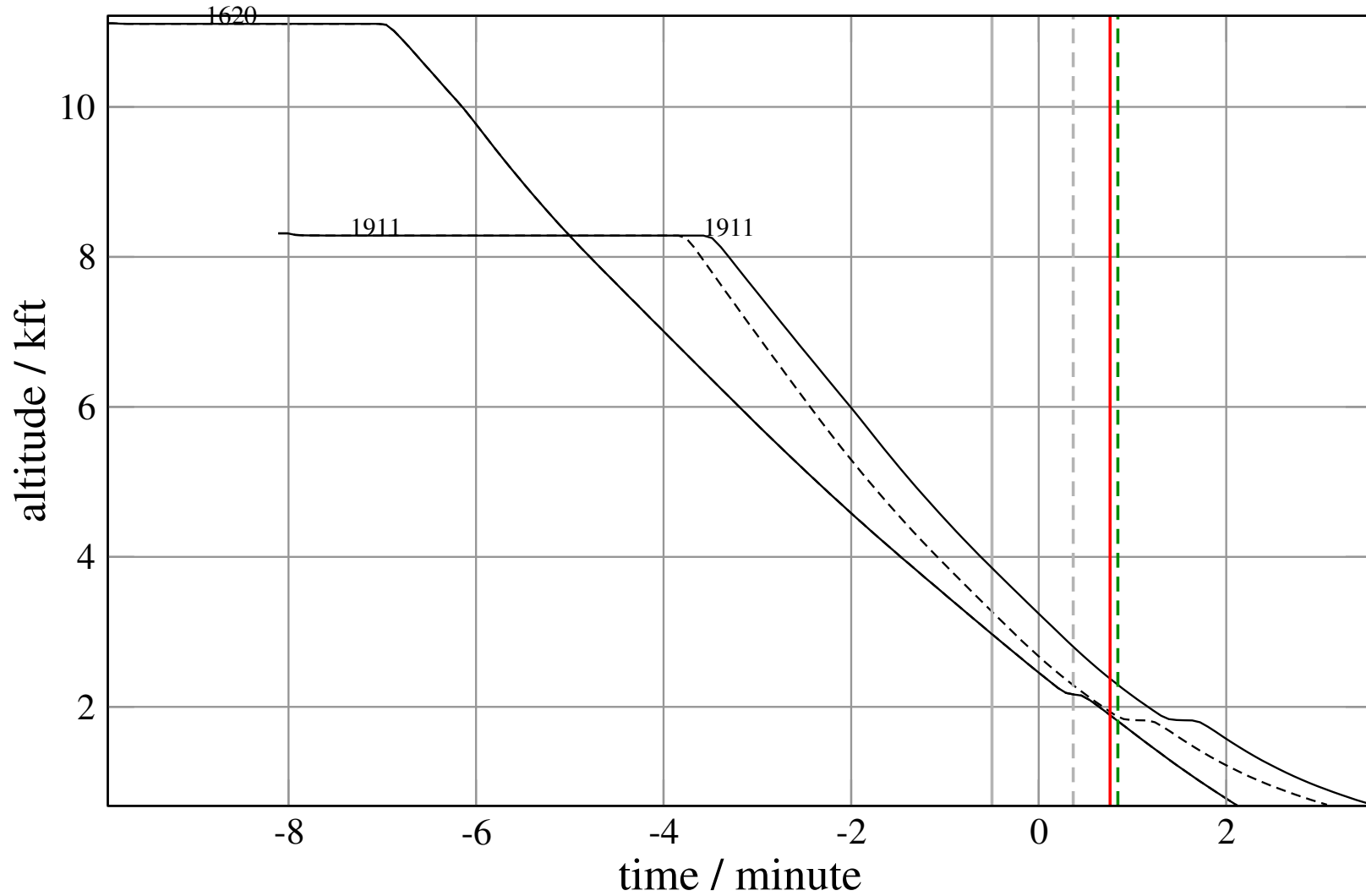
Maneuver Planview

+ A1911E-A1620C 0.585H->1.176H: A1911E speed dec 25 kn (+29 s) 1620-1911-27



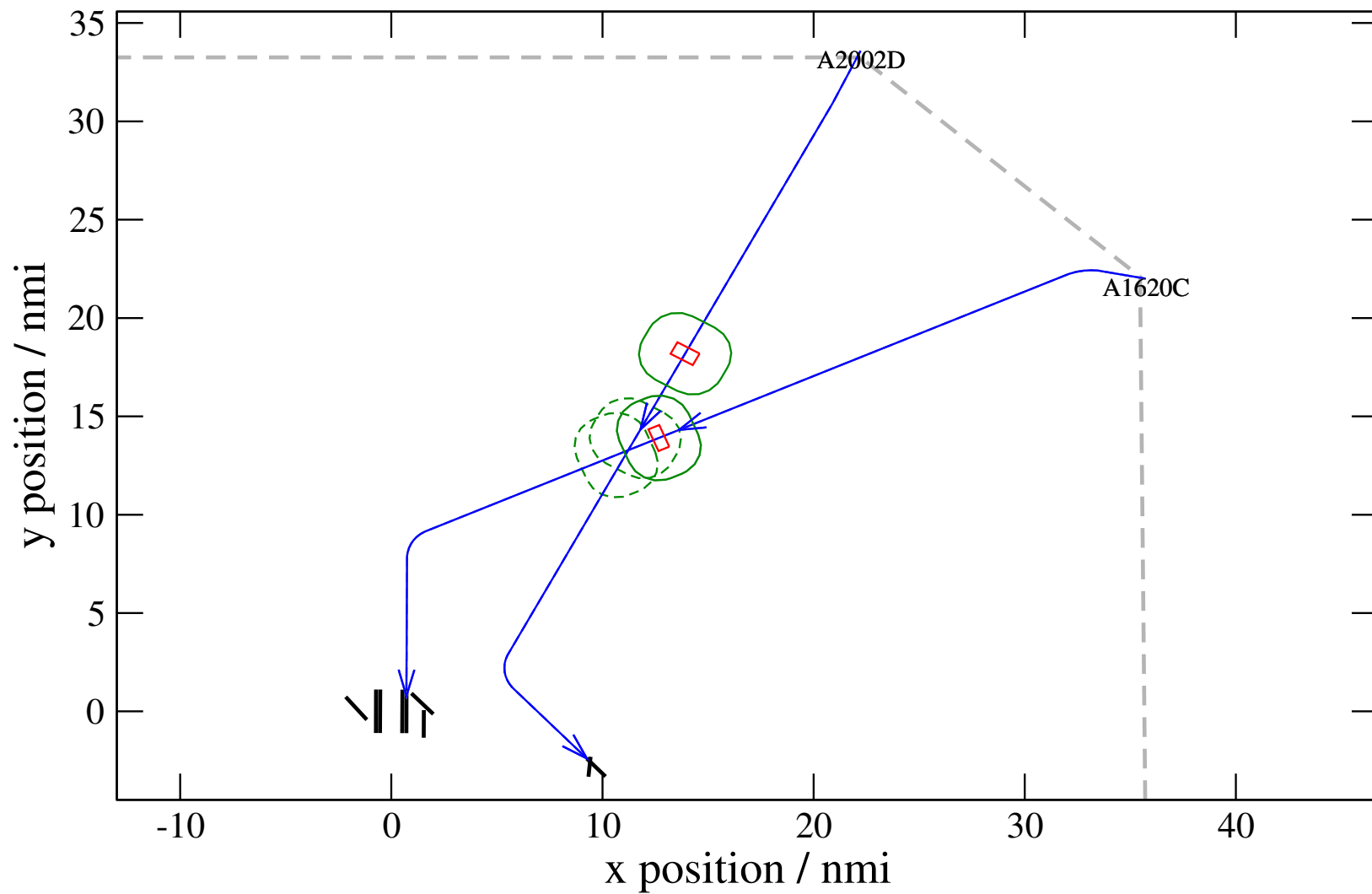
Maneuver Altitude Profiles

+ A1911E-A1620C 0.585H->1.176H: A1911E speed dec 25 kn (+29 s) 1620-1911-27



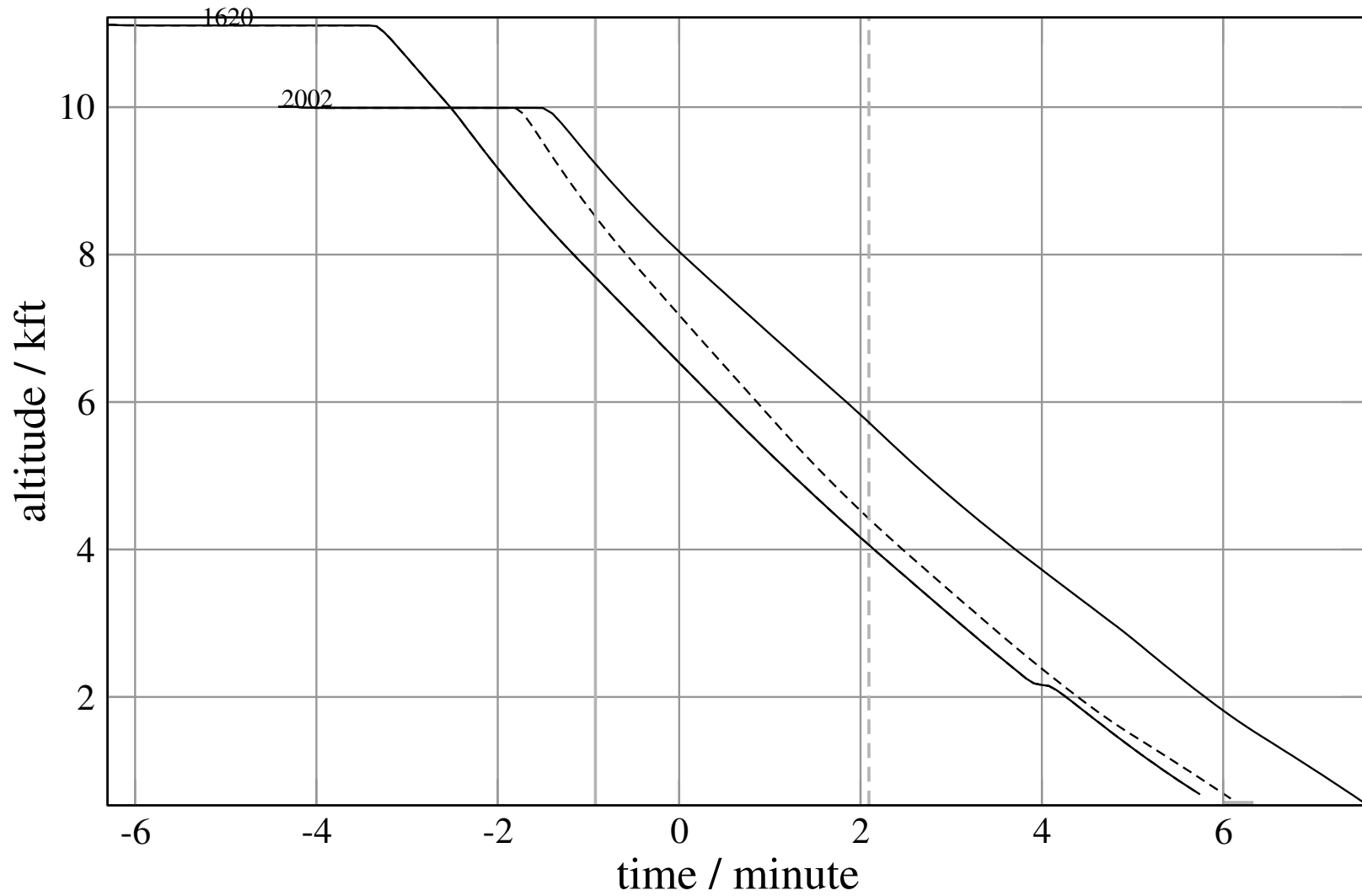
Maneuver Planview

+ A2002D-A1620C 0.112H->1.143H: A2002D speed dec 50 kn (+84 s) 1620-2002-26



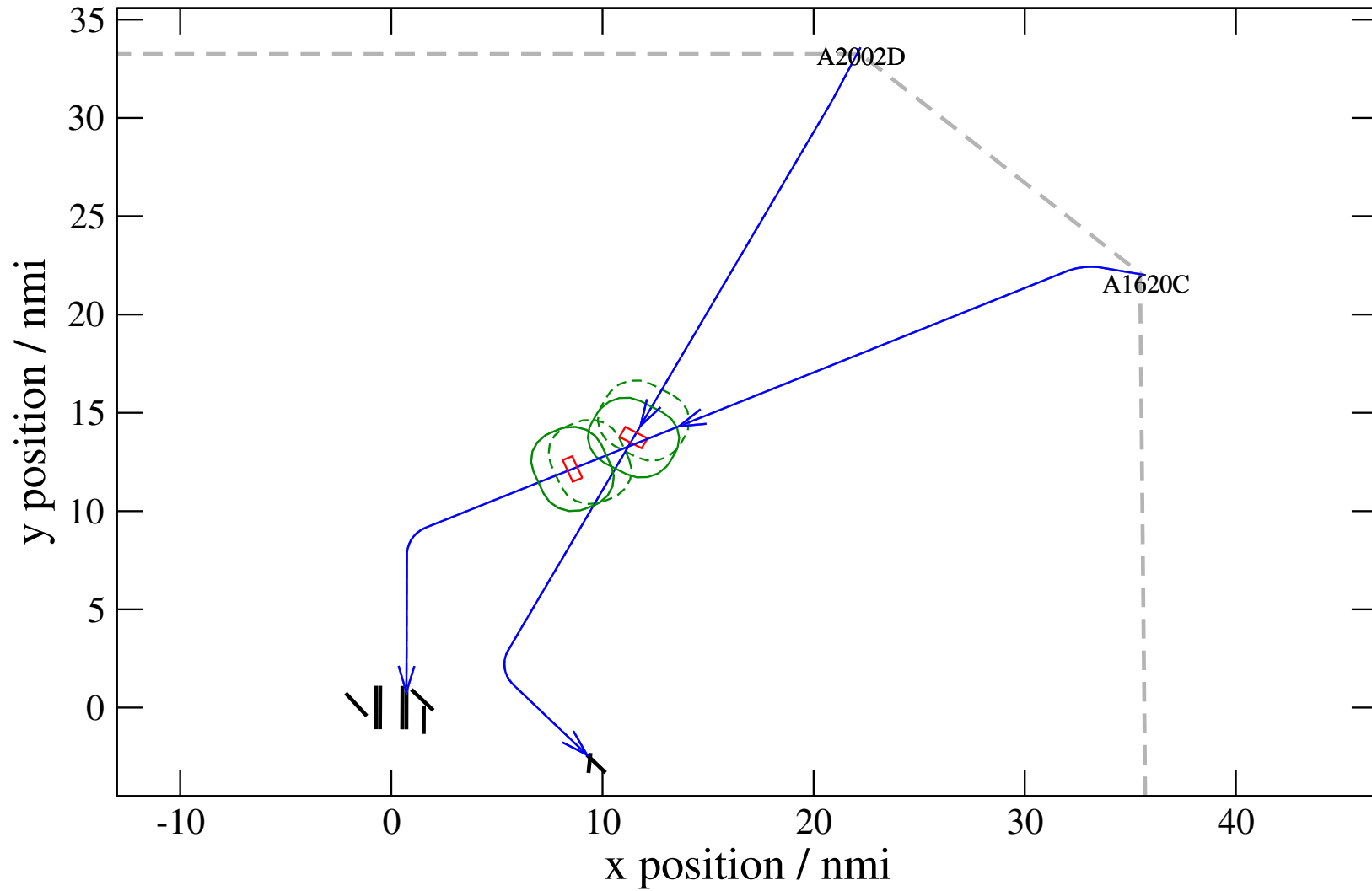
Maneuver Altitude Profiles

+ A2002D-A1620C 0.112H->1.143H: A2002D speed dec 50 kn (+84 s) 1620-2002-26



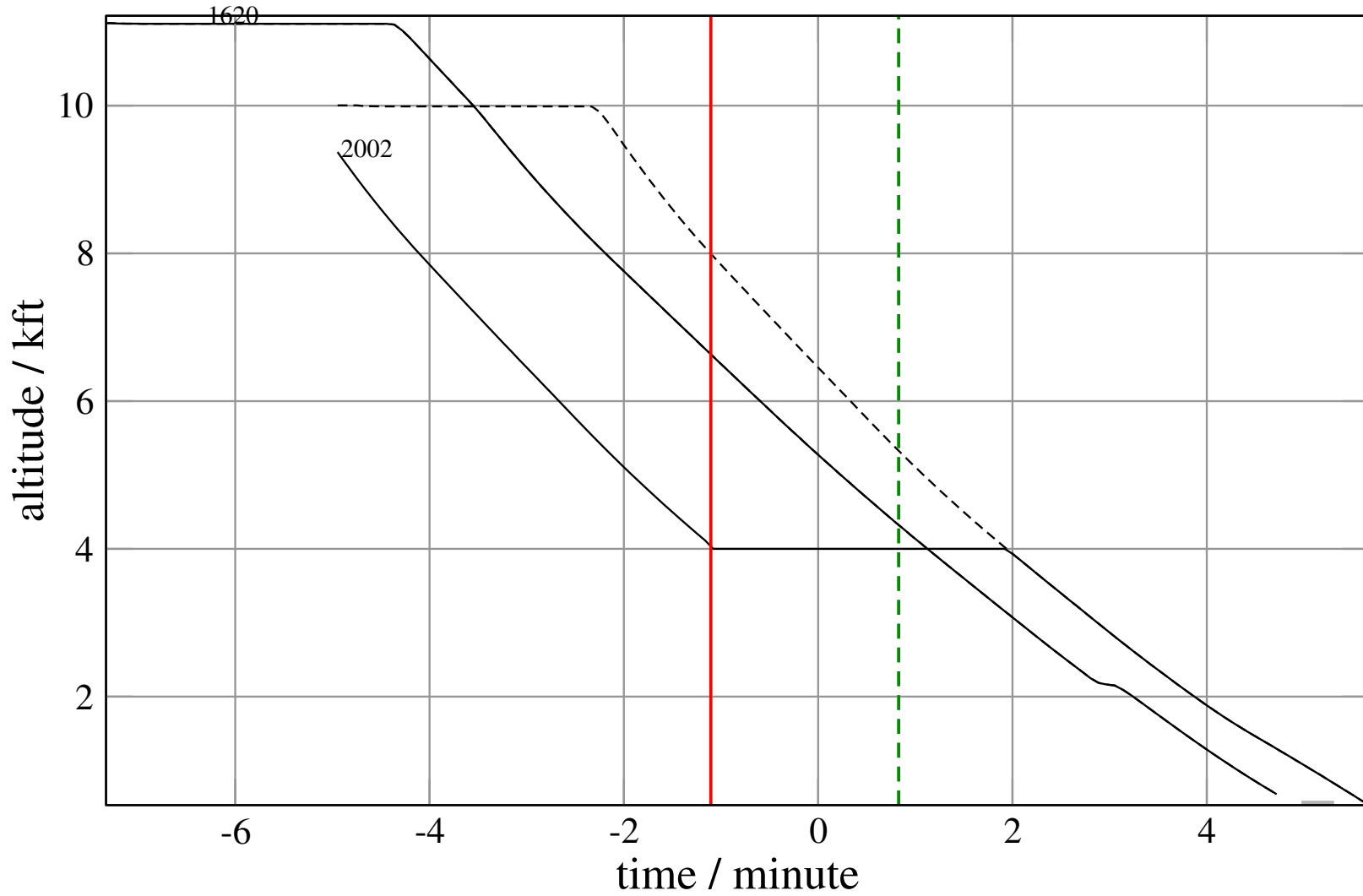
Maneuver Planview

+ A2002D-A1620C 0.798H->1.000H(div): A2002D temp alt 4.0 kft, 3.0 Min (+0 s) 1620-2002-27



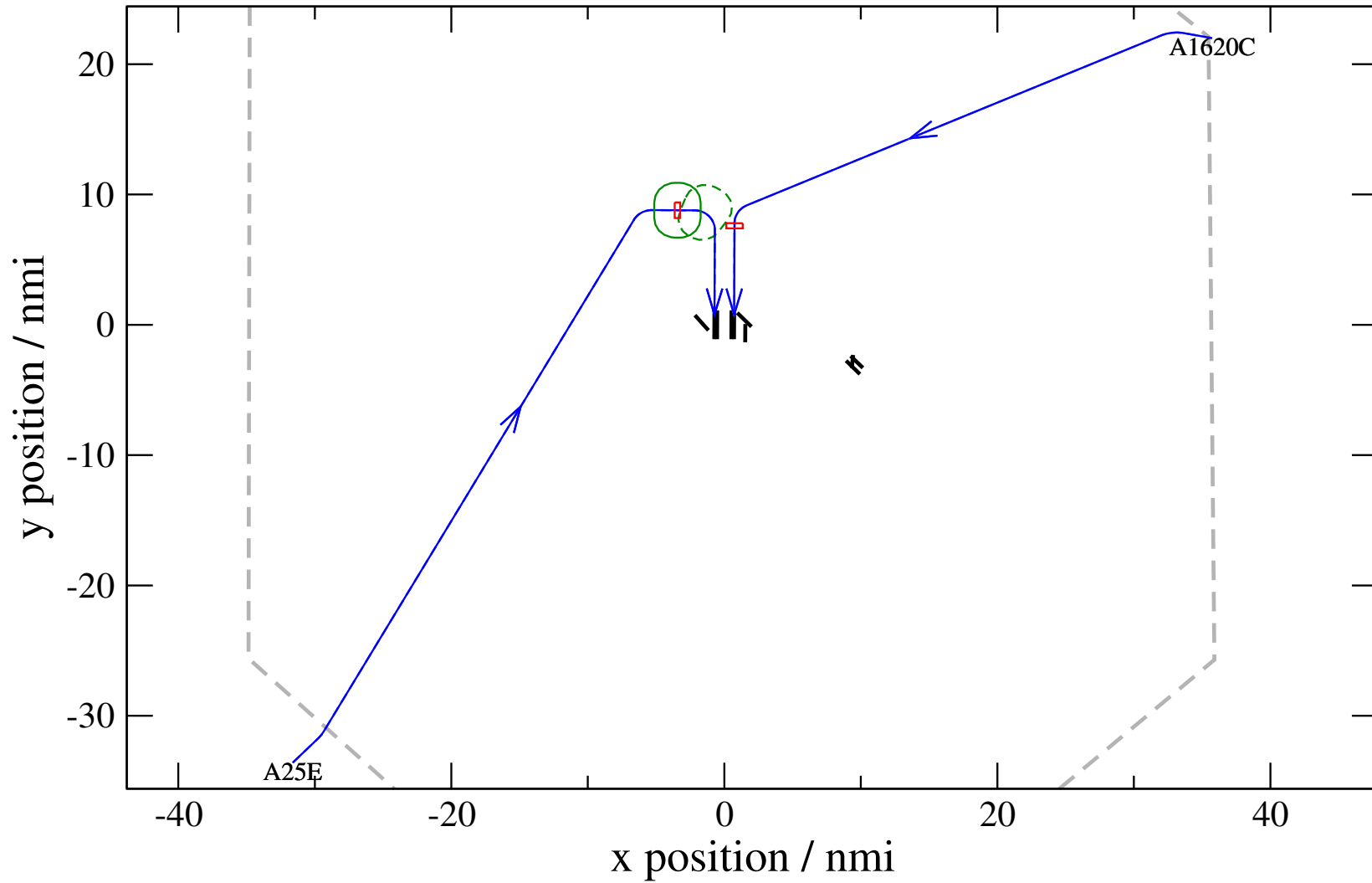
Maneuver Altitude Profiles

+ A2002D-A1620C 0.798H->1.000H(div): A2002D temp alt 4.0 kft, 3.0 Min (+0 s) 1620-2002-27



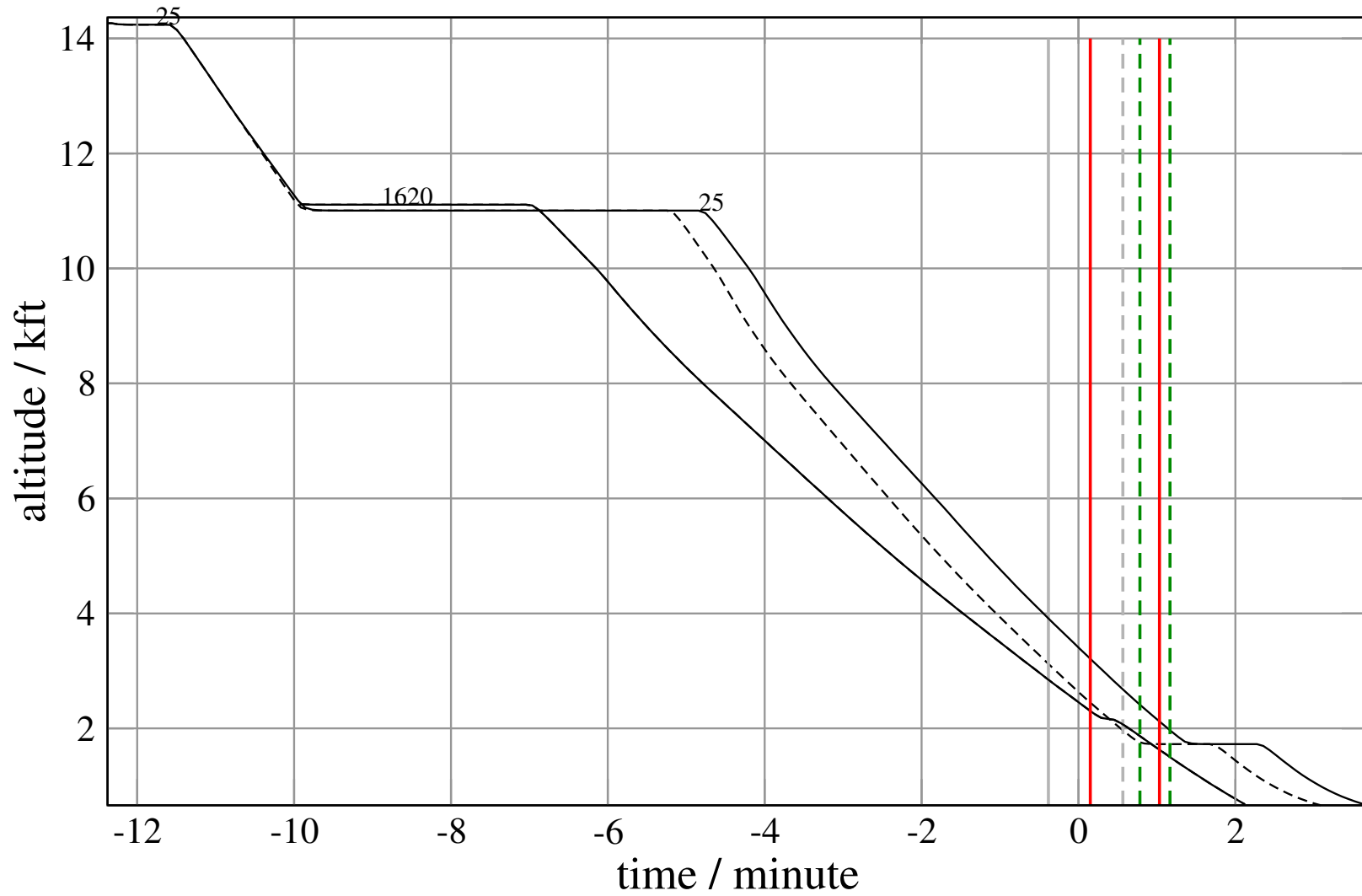
Maneuver Planview

+ A25E-A1620C 0.522H->1.135H: A25E speed dec 18 kn (+36 s) 25-1620-30



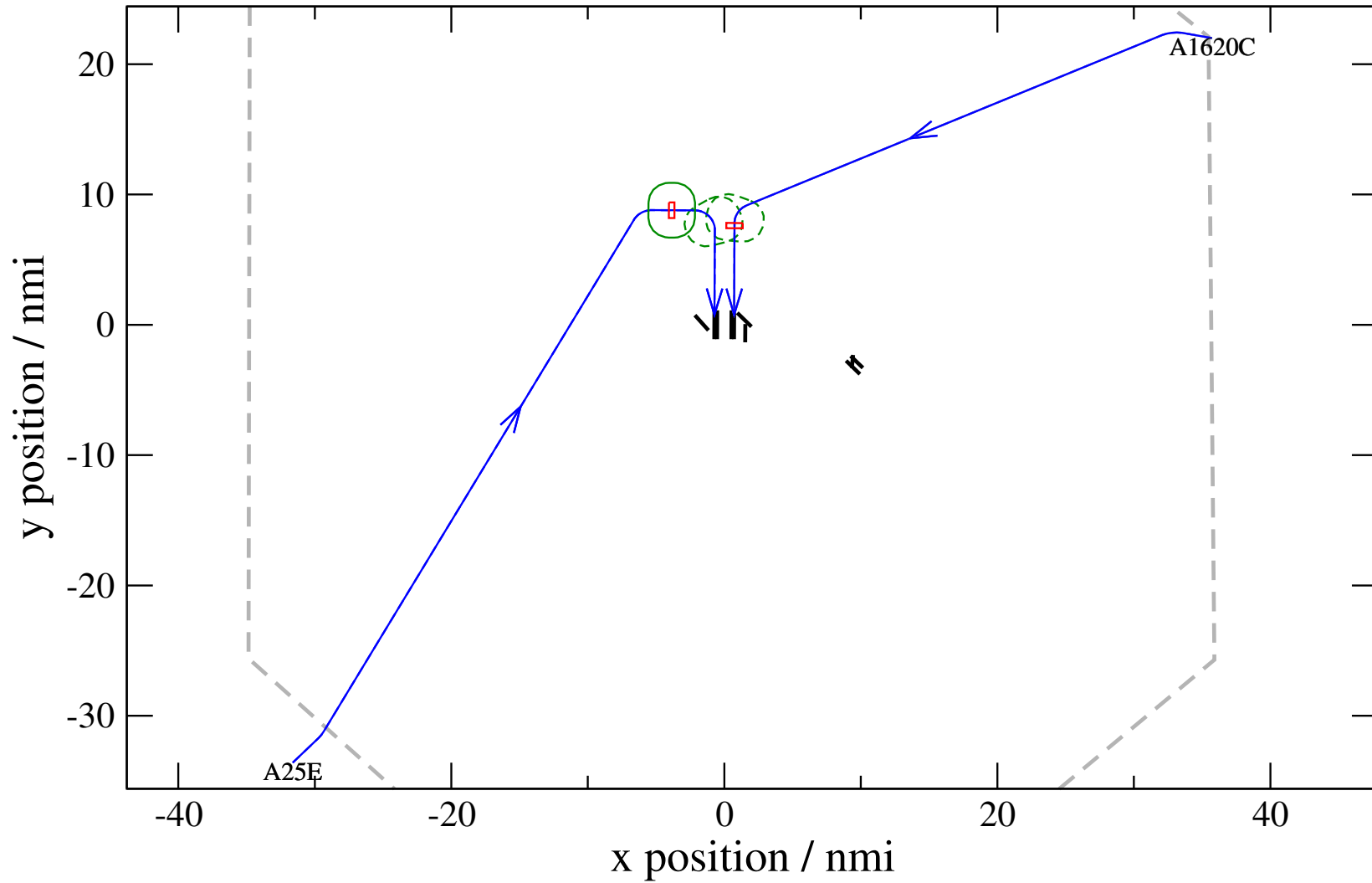
Maneuver Altitude Profiles

+ A25E-A1620C 0.522H->1.135H: A25E speed dec 18 kn (+36 s) 25-1620-30



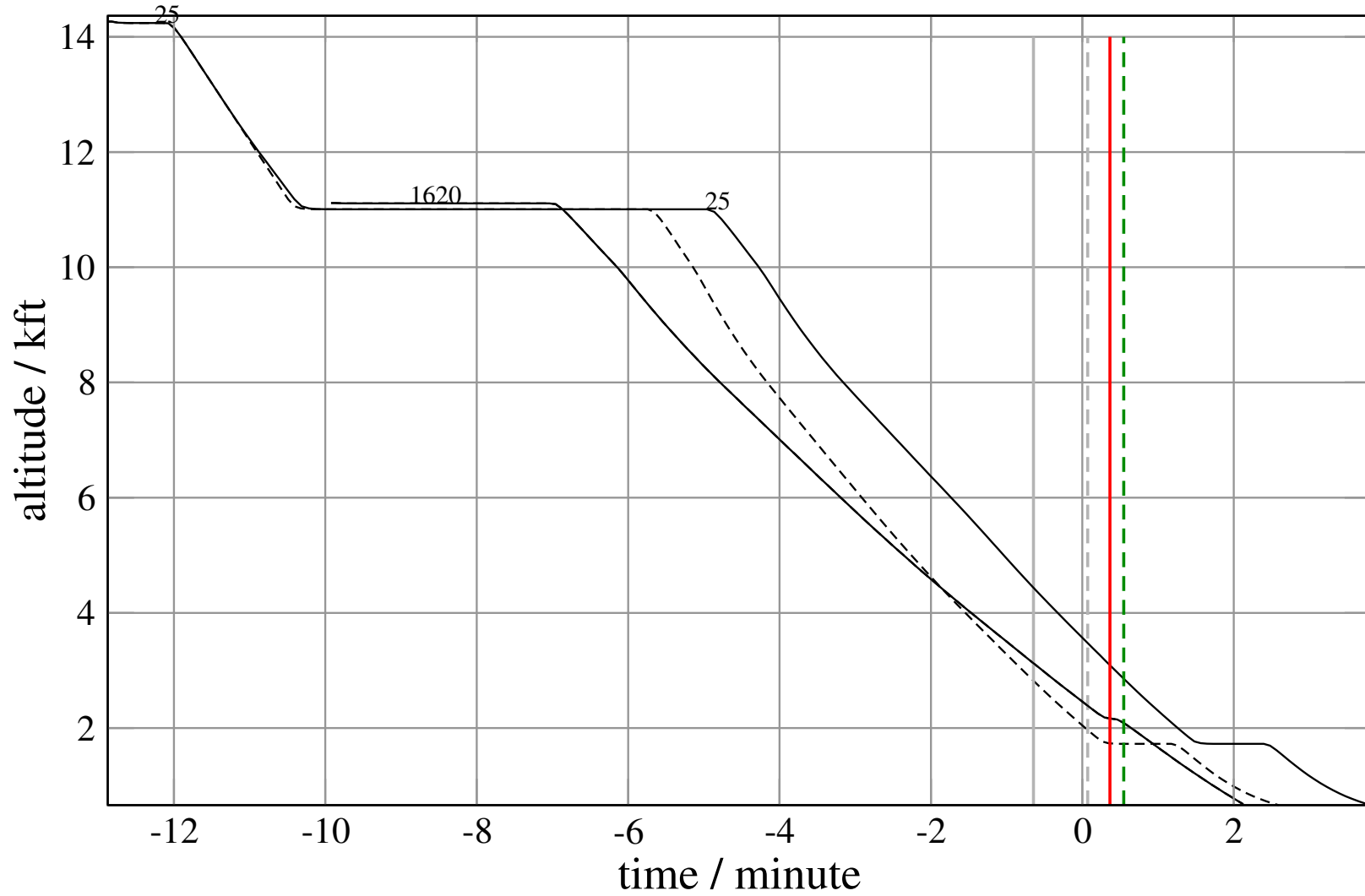
Maneuver Planview

+ A25E-A1620C 0.195H->1.273H: A25E speed dec 33 kn (+73 s) 25-1620-31



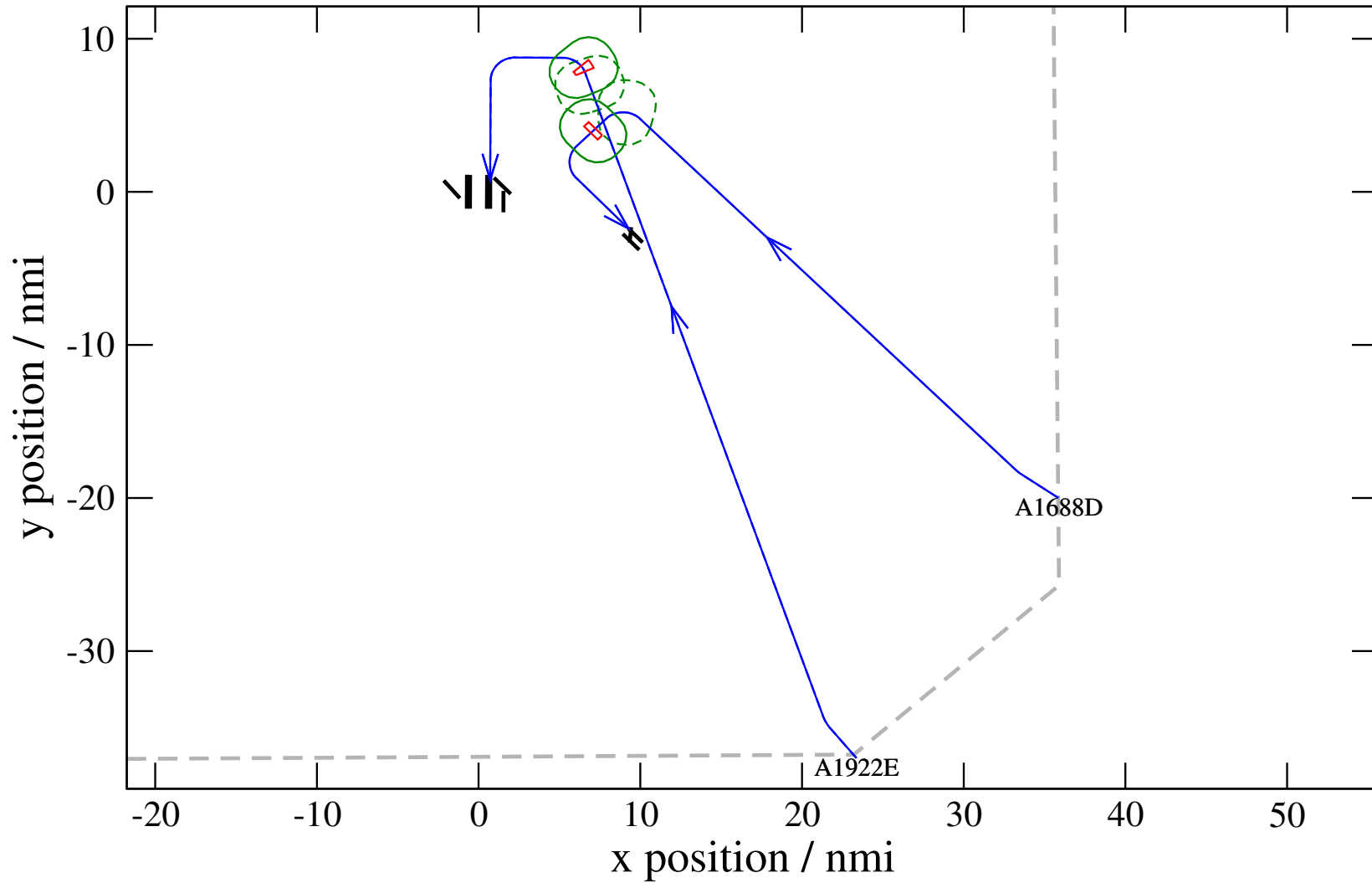
Maneuver Altitude Profiles

+ A25E-A1620C 0.195H->1.273H: A25E speed dec 33 kn (+73 s) 25-1620-31



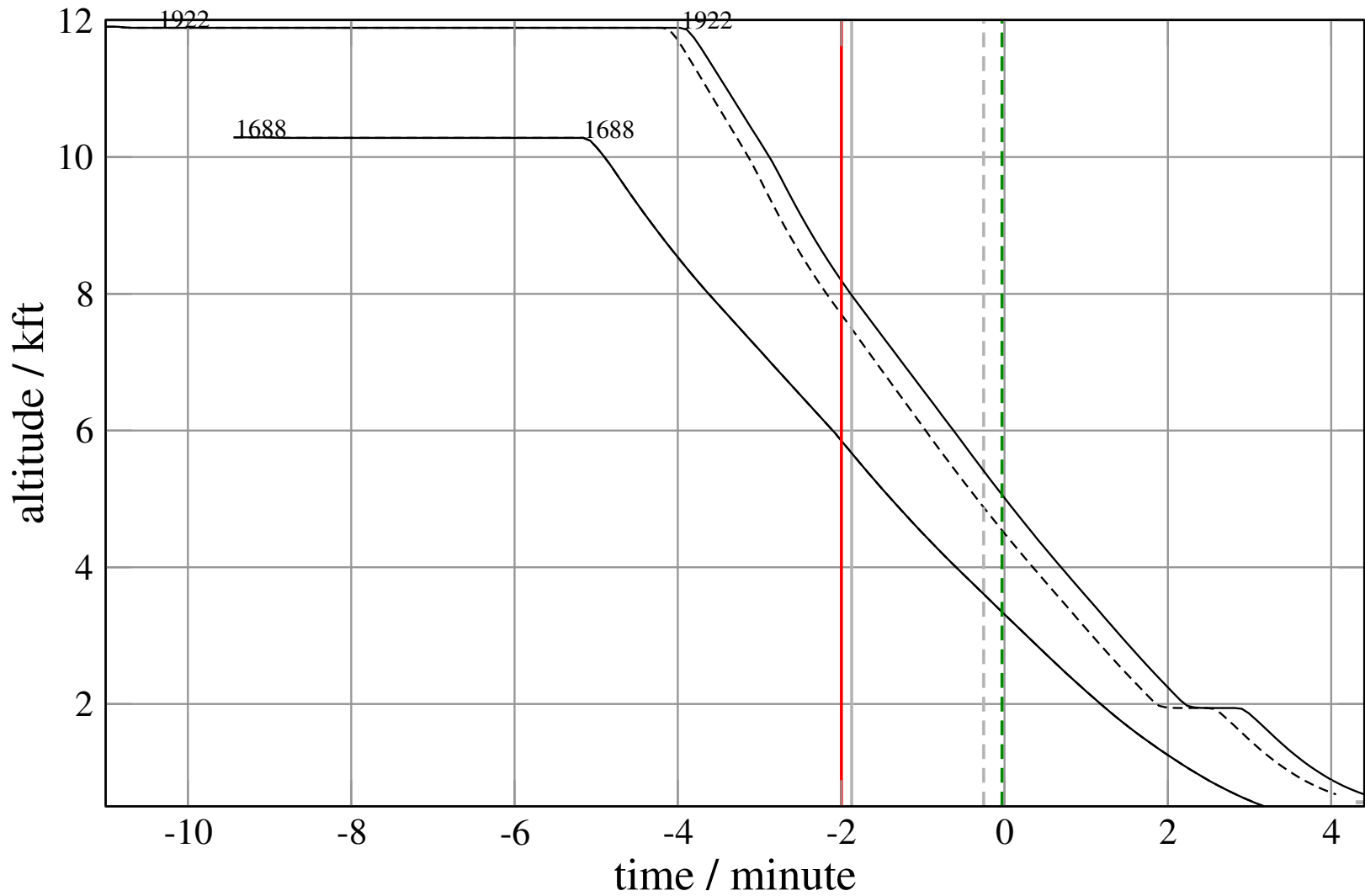
Maneuver Planview

+ A1922E-A1688D 0.900H->1.141V: A1922E speed dec 10 kn (+21 s) 1688-1922-28



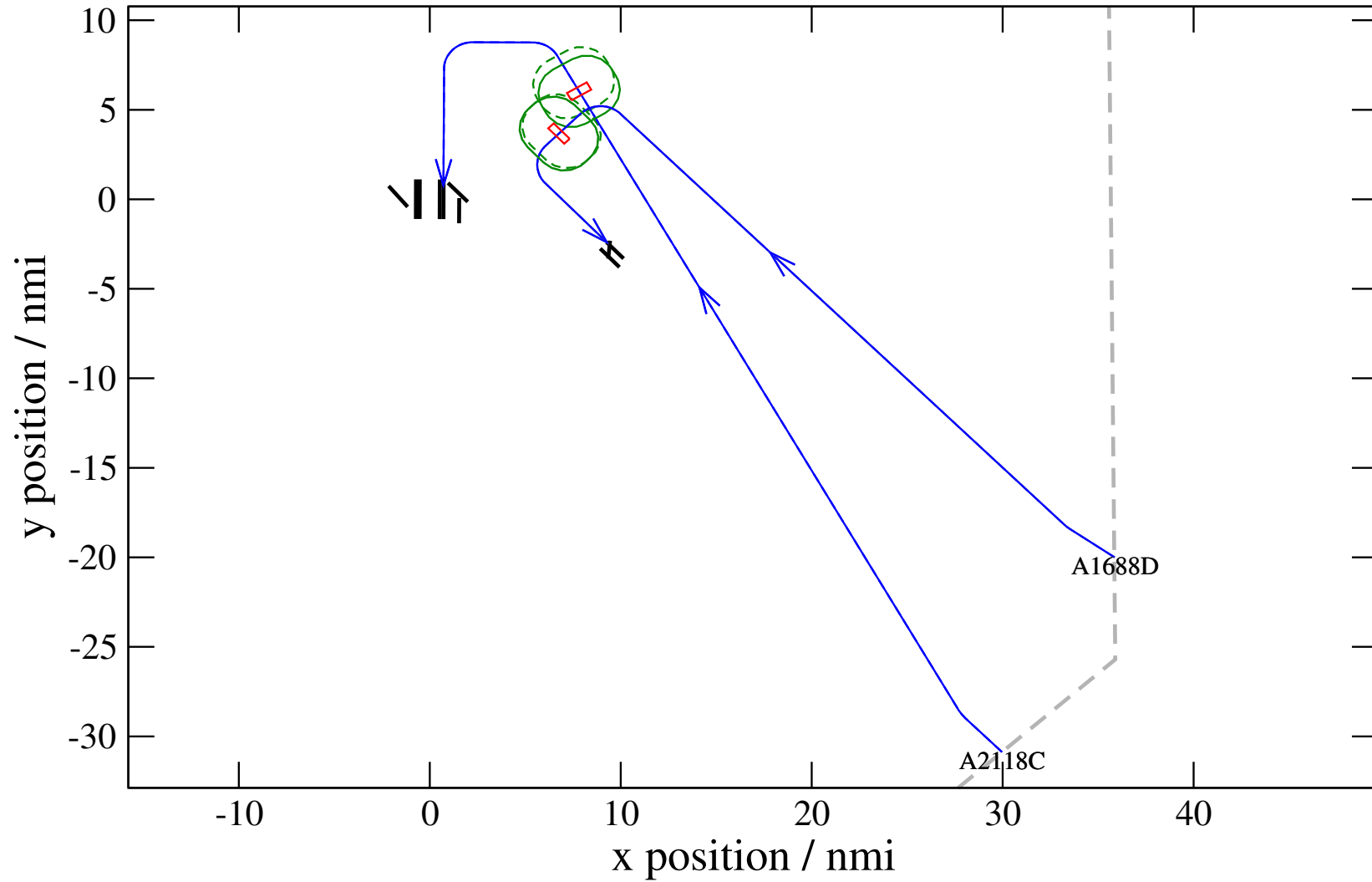
Maneuver Altitude Profiles

+ A1922E-A1688D 0.900H->1.141V: A1922E speed dec 10 kn (+21 s) 1688-1922-28



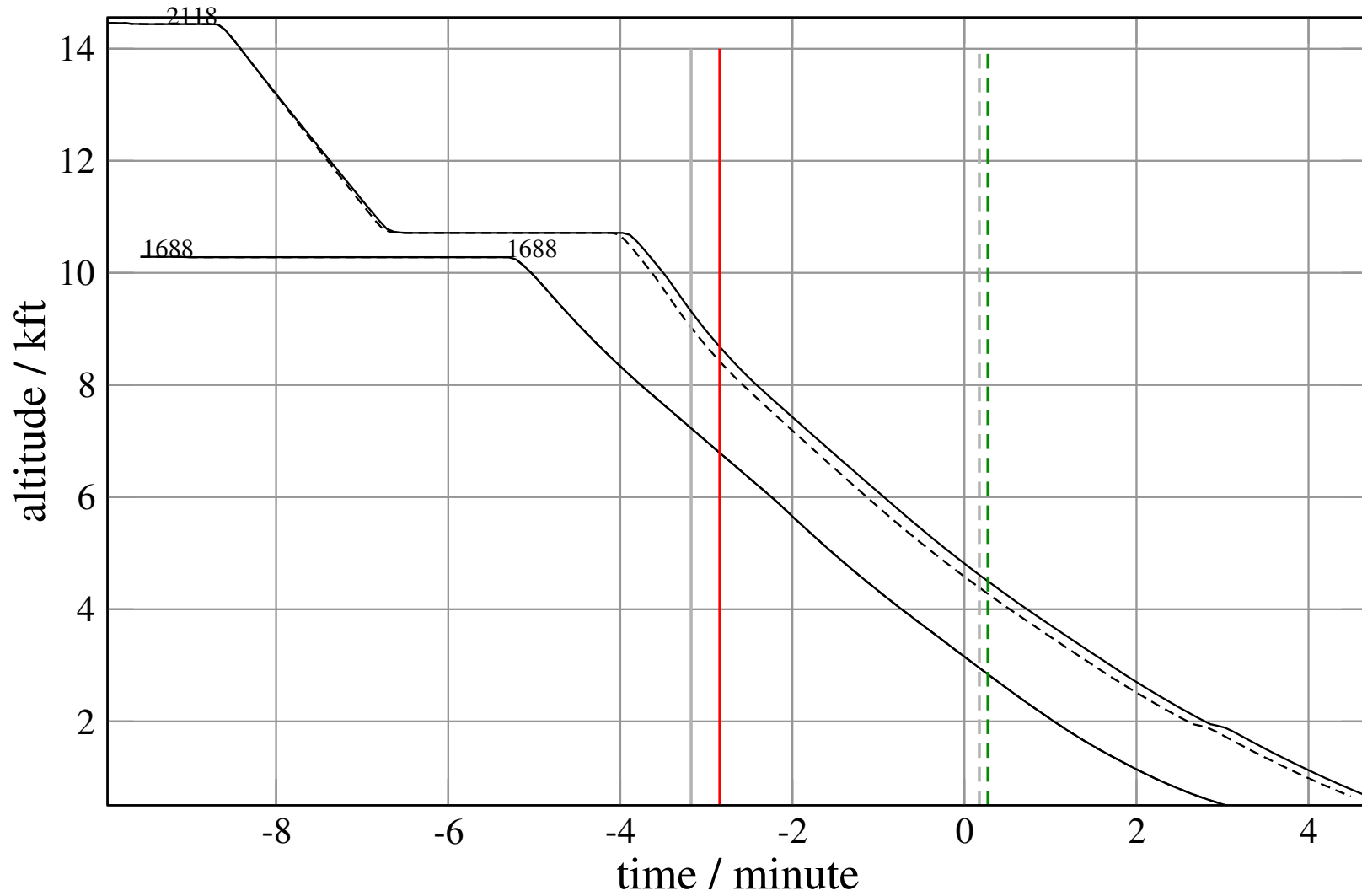
Maneuver Planview

+ A2118C-A1688D 0.890V->1.121V: A2118C speed dec 7 kn (+12 s) 2118-1688-27



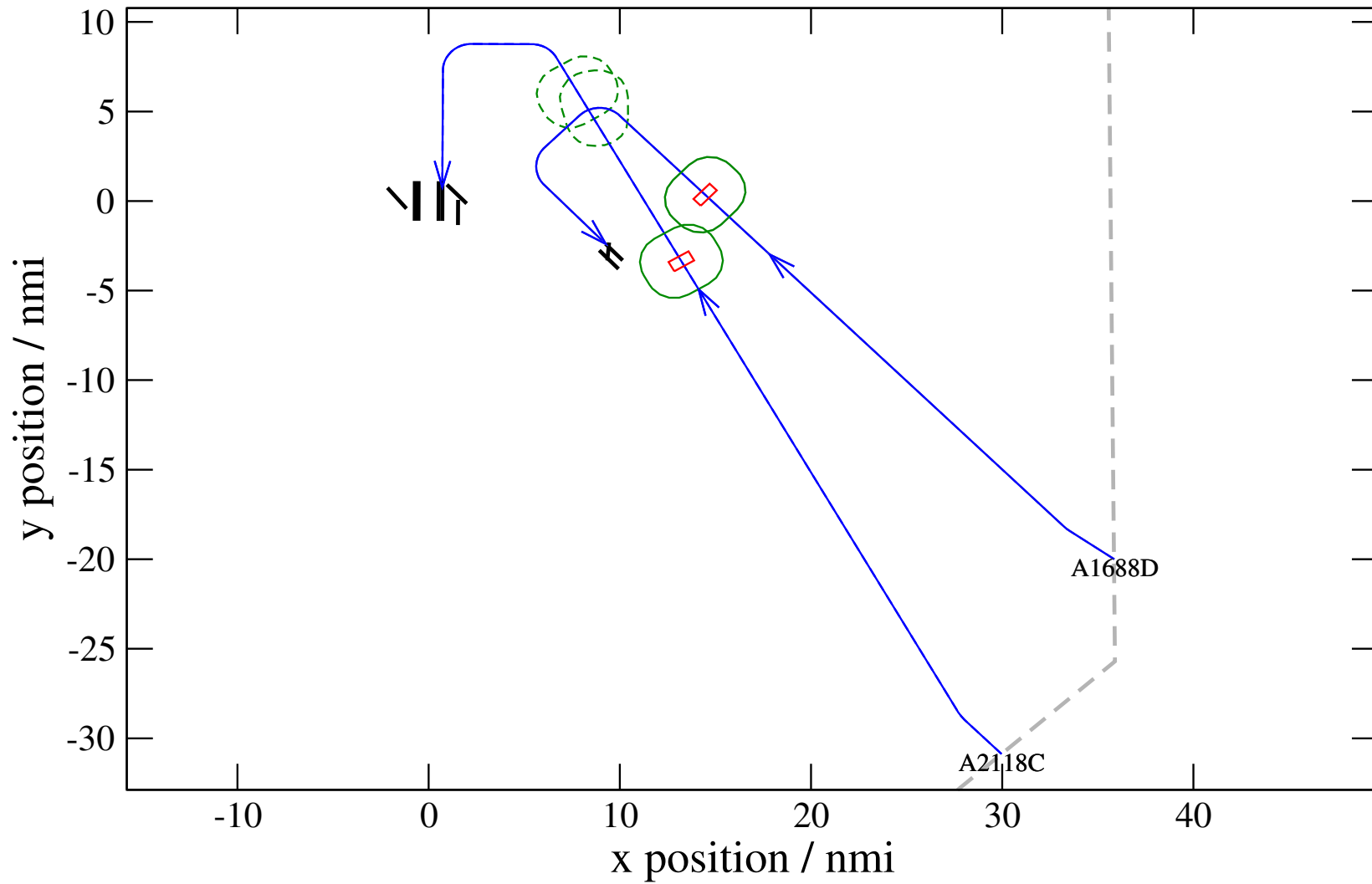
Maneuver Altitude Profiles

+ A2118C-A1688D 0.890V->1.121V: A2118C speed dec 7 kn (+12 s) 2118-1688-27



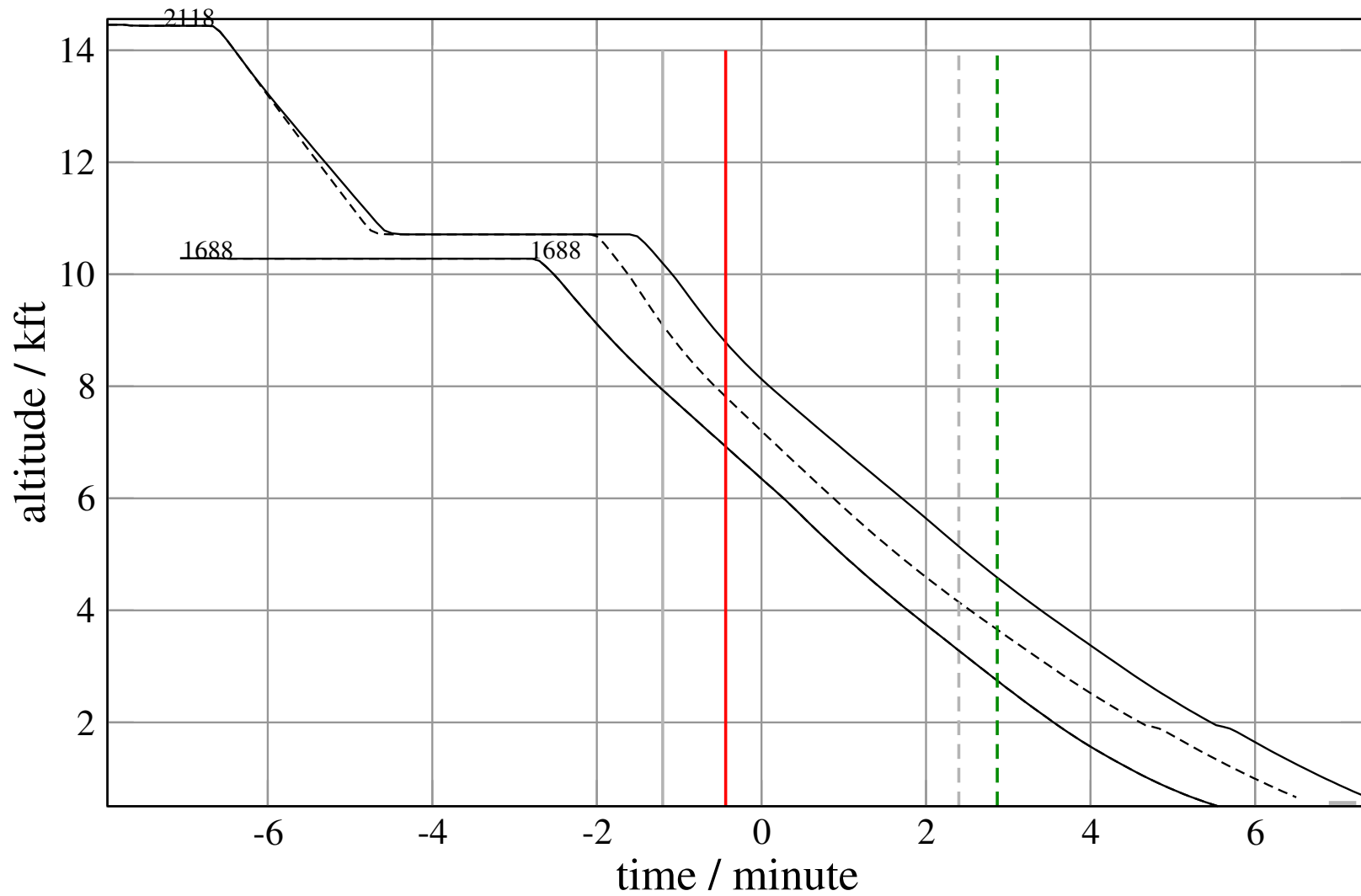
Maneuver Planview

+ A2118C-A1688D 0.361H->1.198V: A2118C speed dec 27 kn (+52 s) 2118-1688-28



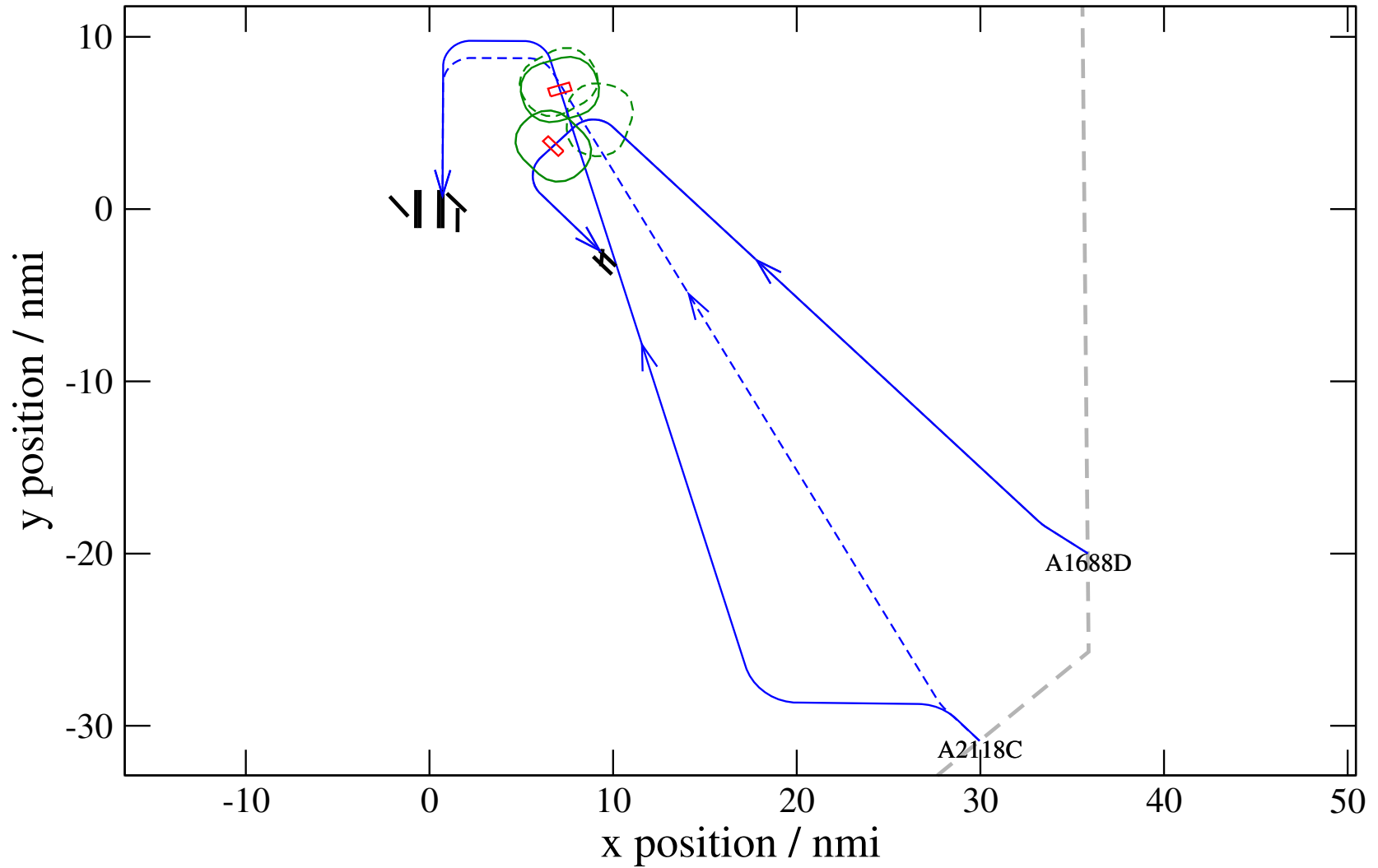
Maneuver Altitude Profiles

+ A2118C-A1688D 0.361H->1.198V: A2118C speed dec 27 kn (+52 s) 2118-1688-28



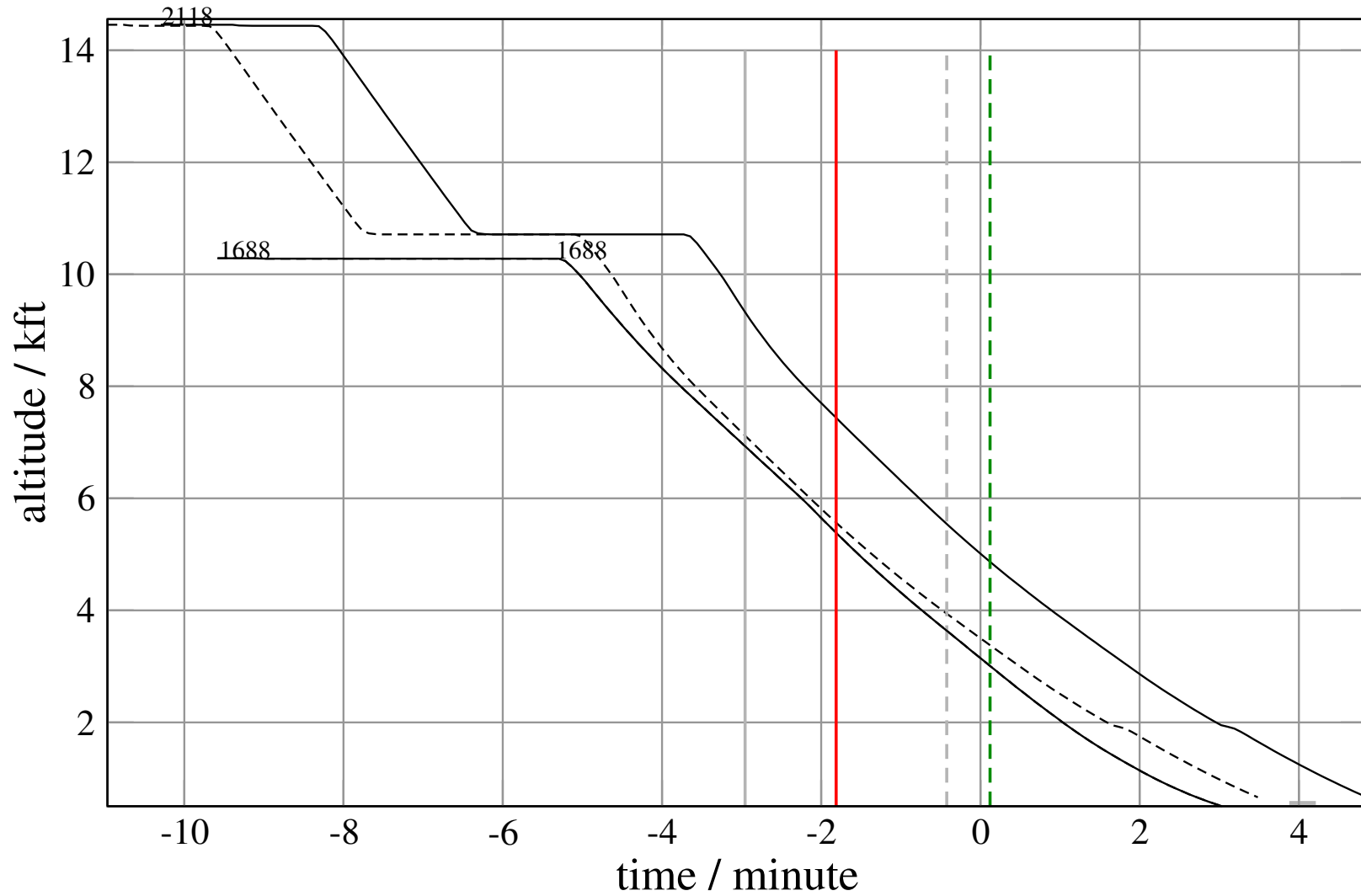
Maneuver Planview

+ A2118C-A1688D 0.719H->1.322V: A2118C reroute -60 deg, 10 nm, 9 nm (+82 s) 2118-1688-29



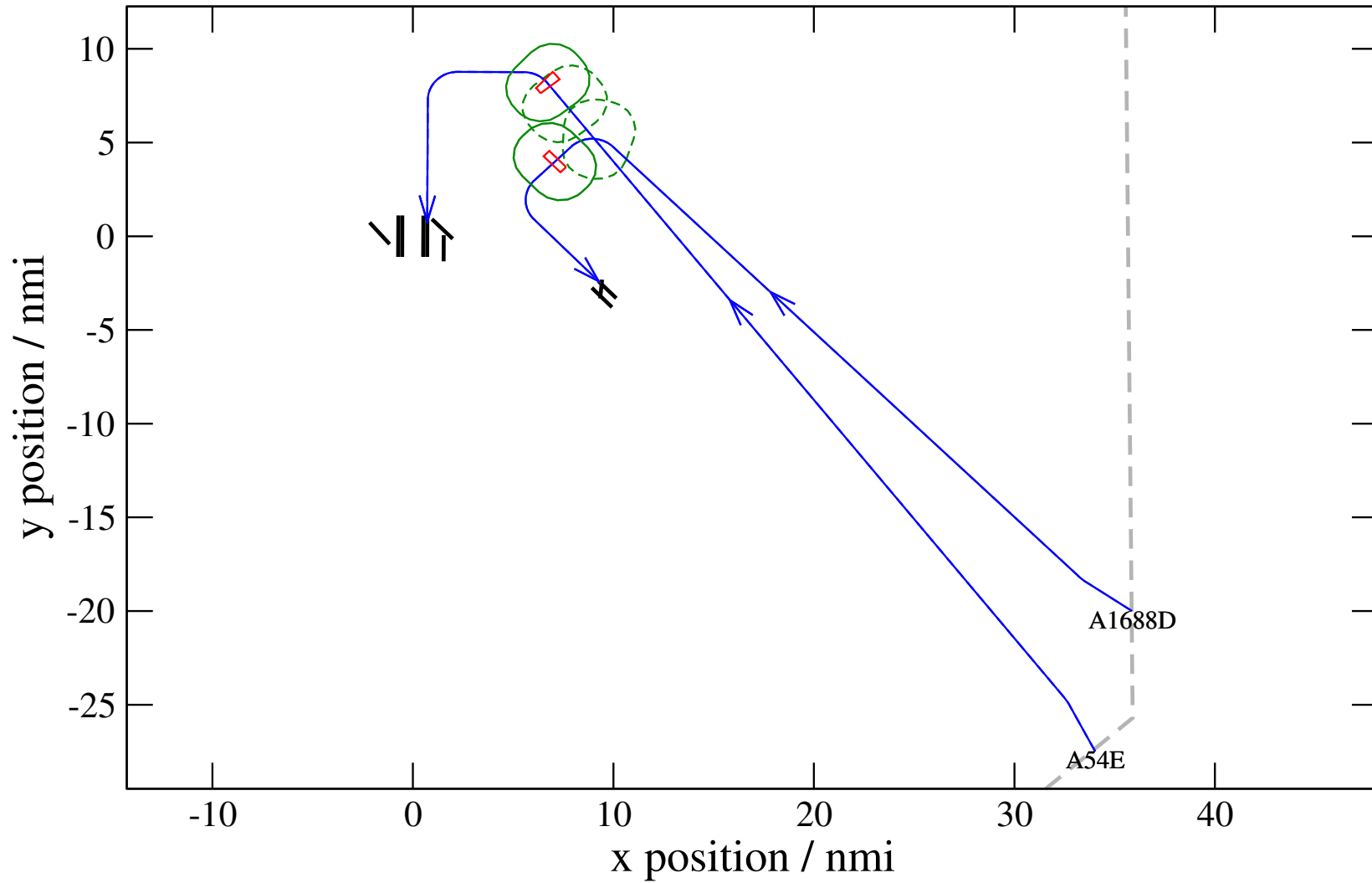
Maneuver Altitude Profiles

+ A2118C-A1688D 0.719H->1.322V: A2118C reroute -60 deg, 10 nm, 9 nm (+82 s) 2118-1688-29



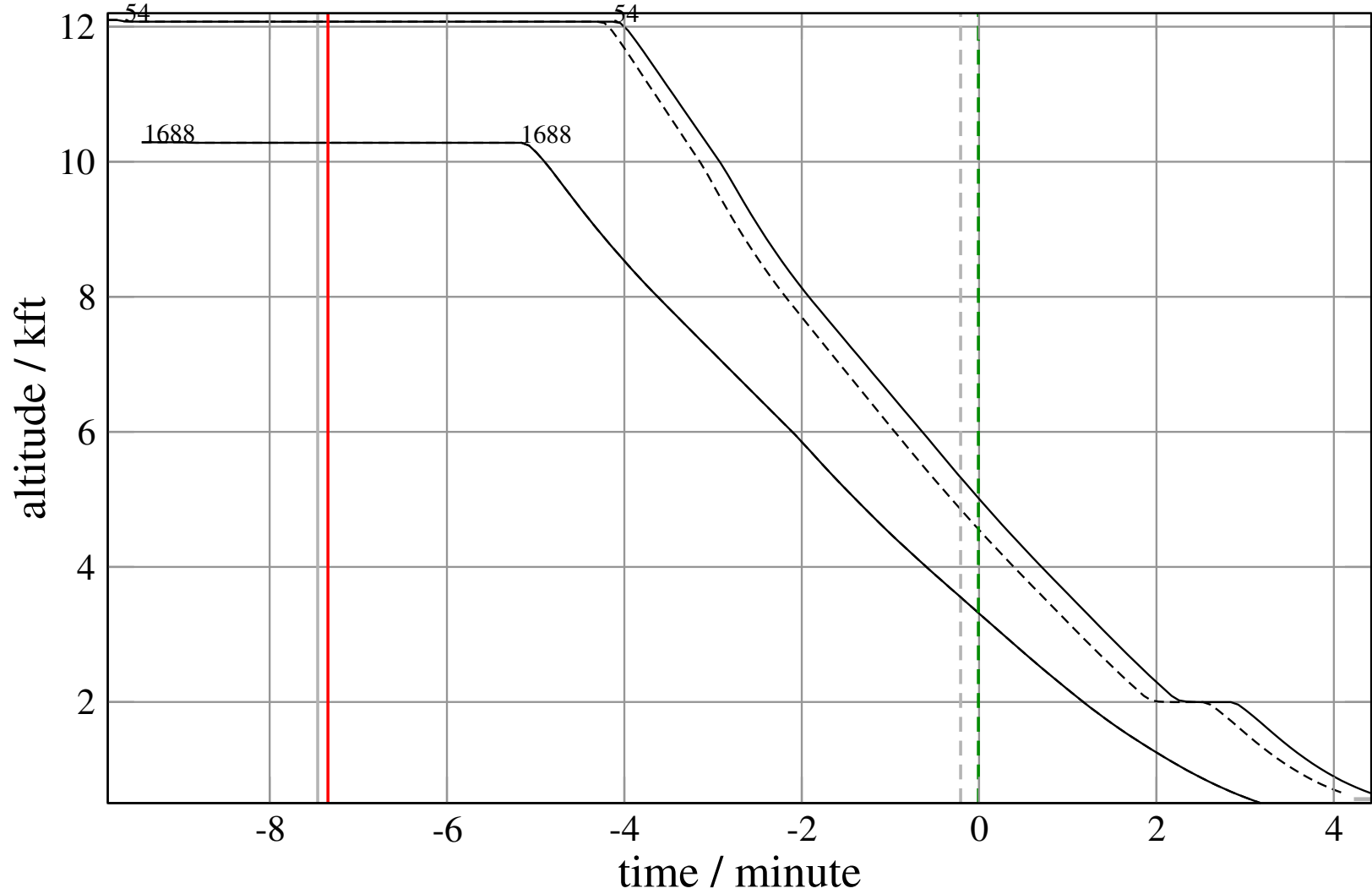
Maneuver Planview

+ A54E-A1688D 0.918V->1.144V: A54E speed dec 10 kn (+19 s) 54-1688-27



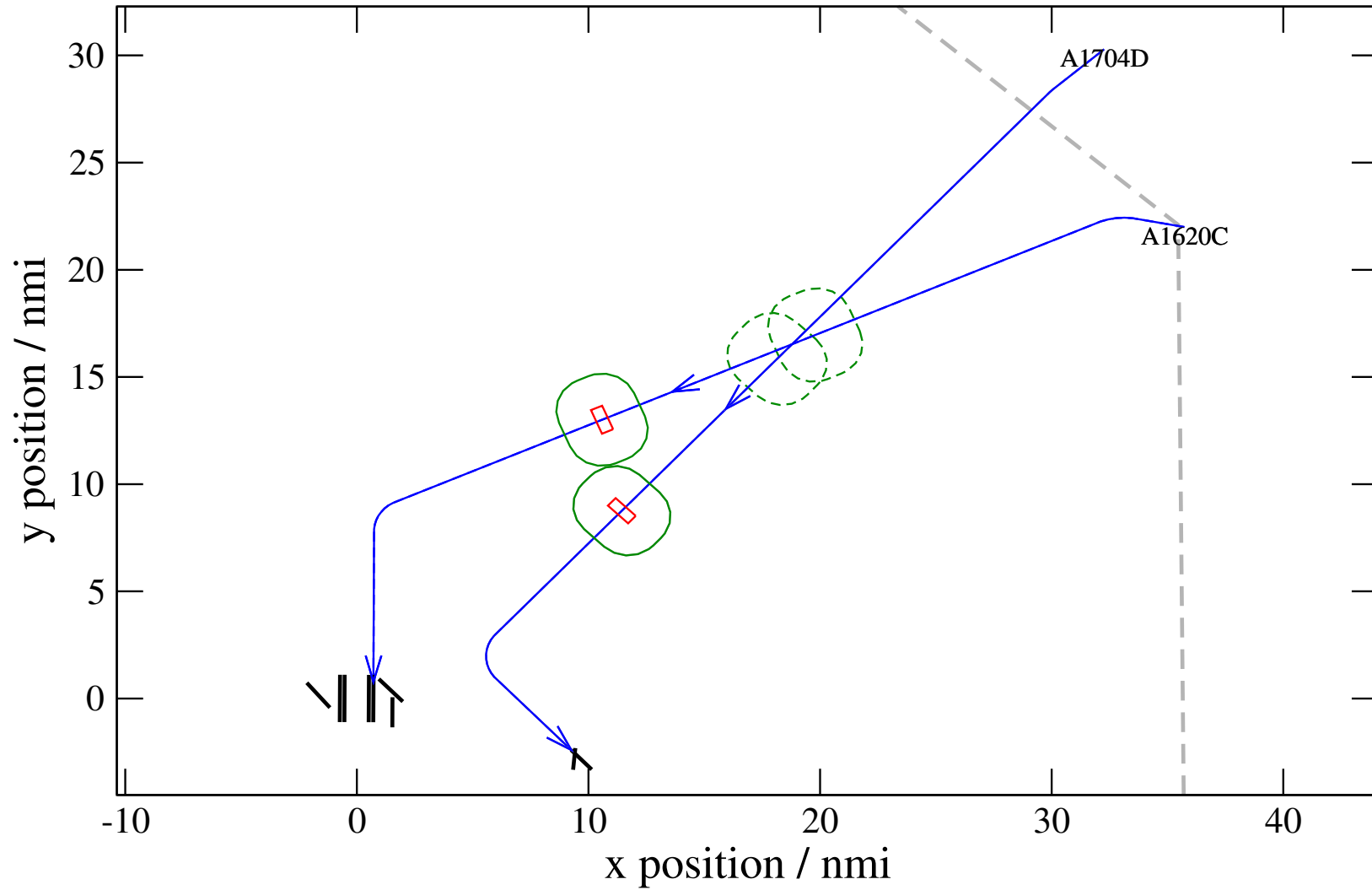
Maneuver Altitude Profiles

+ A54E-A1688D 0.918V->1.144V: A54E speed dec 10 kn (+19 s) 54-1688-27



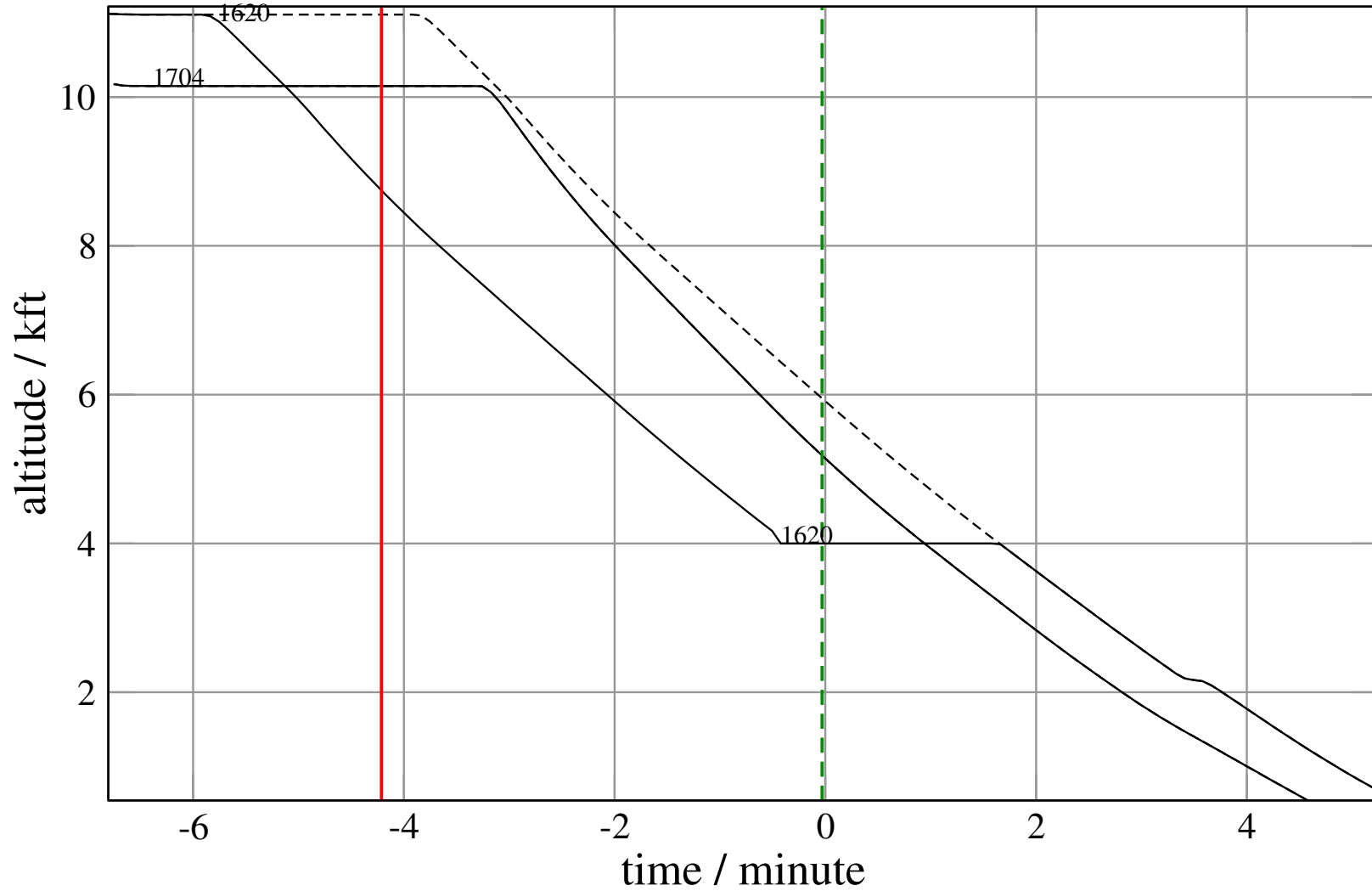
Maneuver Planview

+ A1620C-A1704D 0.368H->1.021V: A1620C temp alt 4.0 kft, 2.0 Min (+0 s) 1704-1620-25



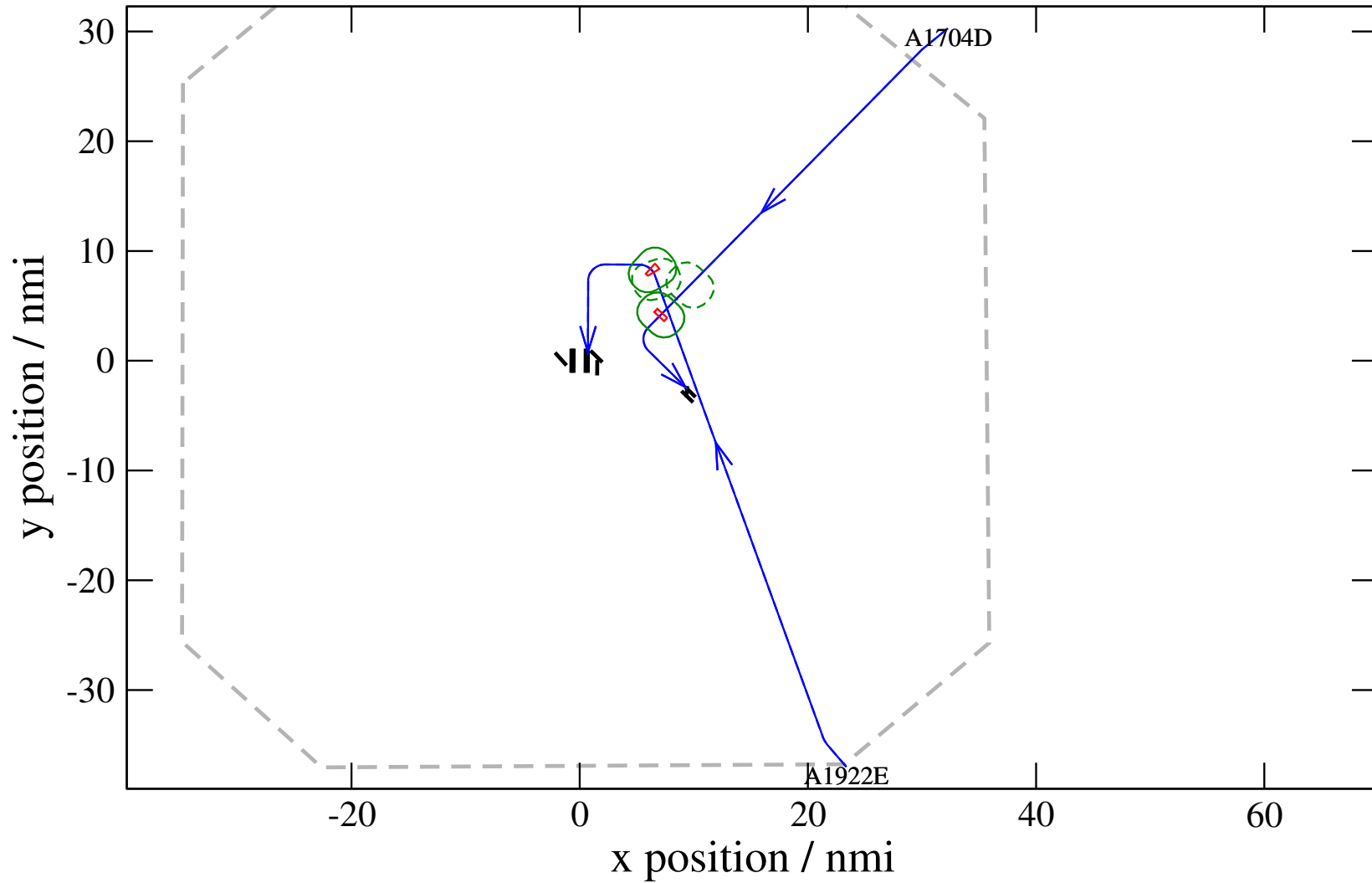
Maneuver Altitude Profiles

+ A1620C-A1704D 0.368H->1.021V: A1620C temp alt 4.0 kft, 2.0 Min (+0 s) 1704-1620-25



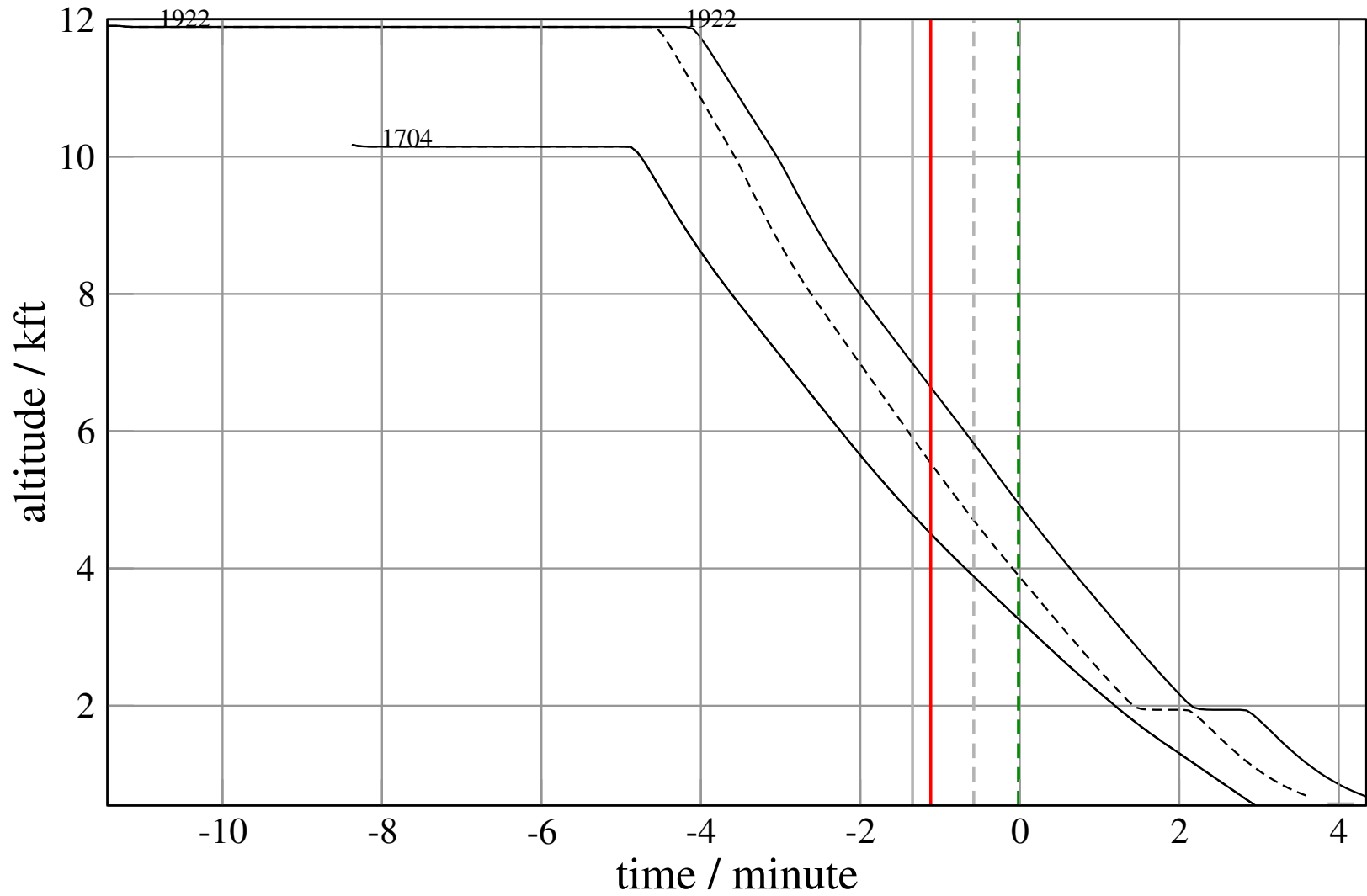
Maneuver Planview

+ A1922E-A1704D 0.628H->1.128V: A1922E speed dec 20 kn (+43 s) 1704-1922-25



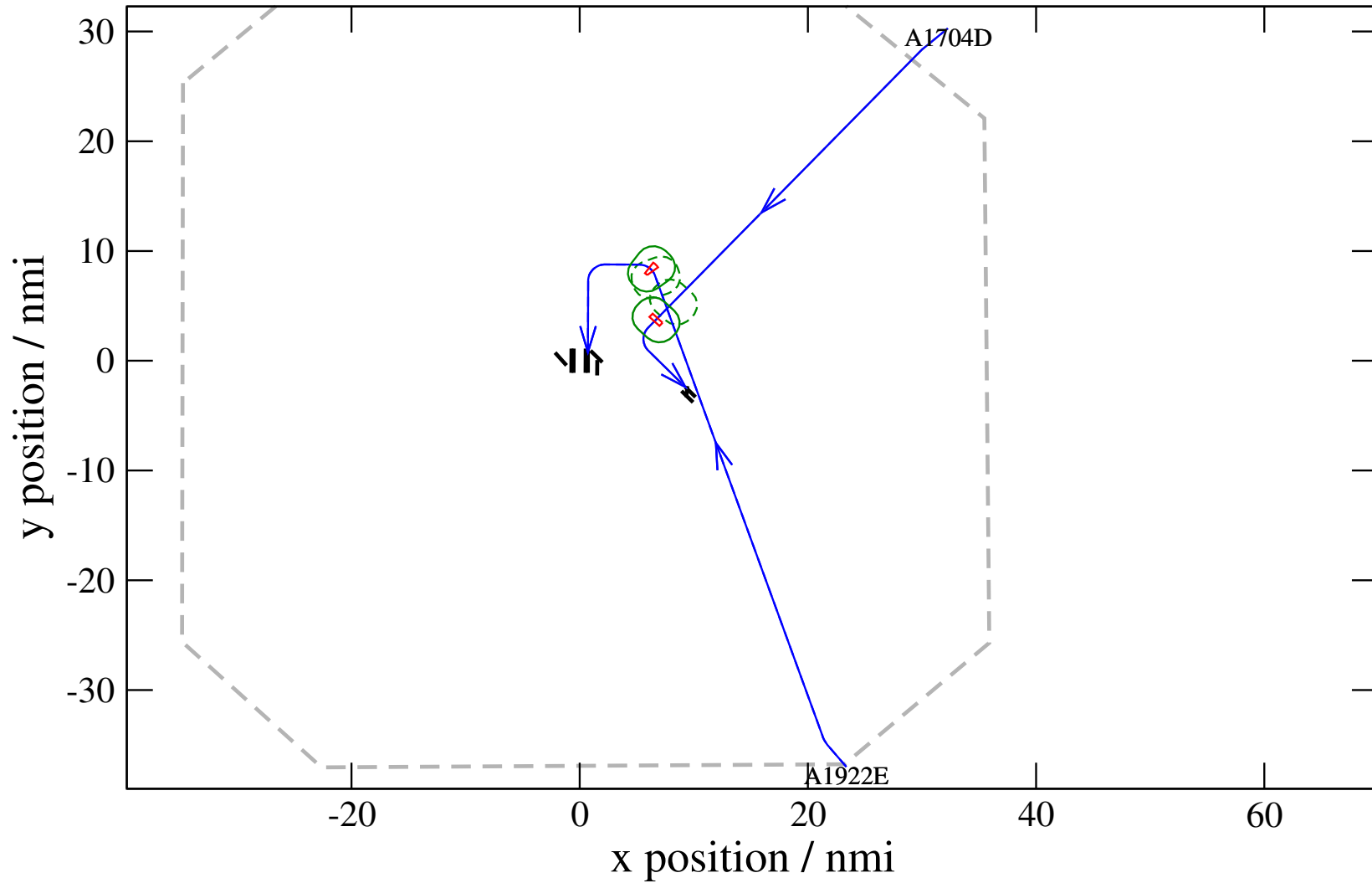
Maneuver Altitude Profiles

+ A1922E-A1704D 0.628H->1.128V: A1922E speed dec 20 kn (+43 s) 1704-1922-25



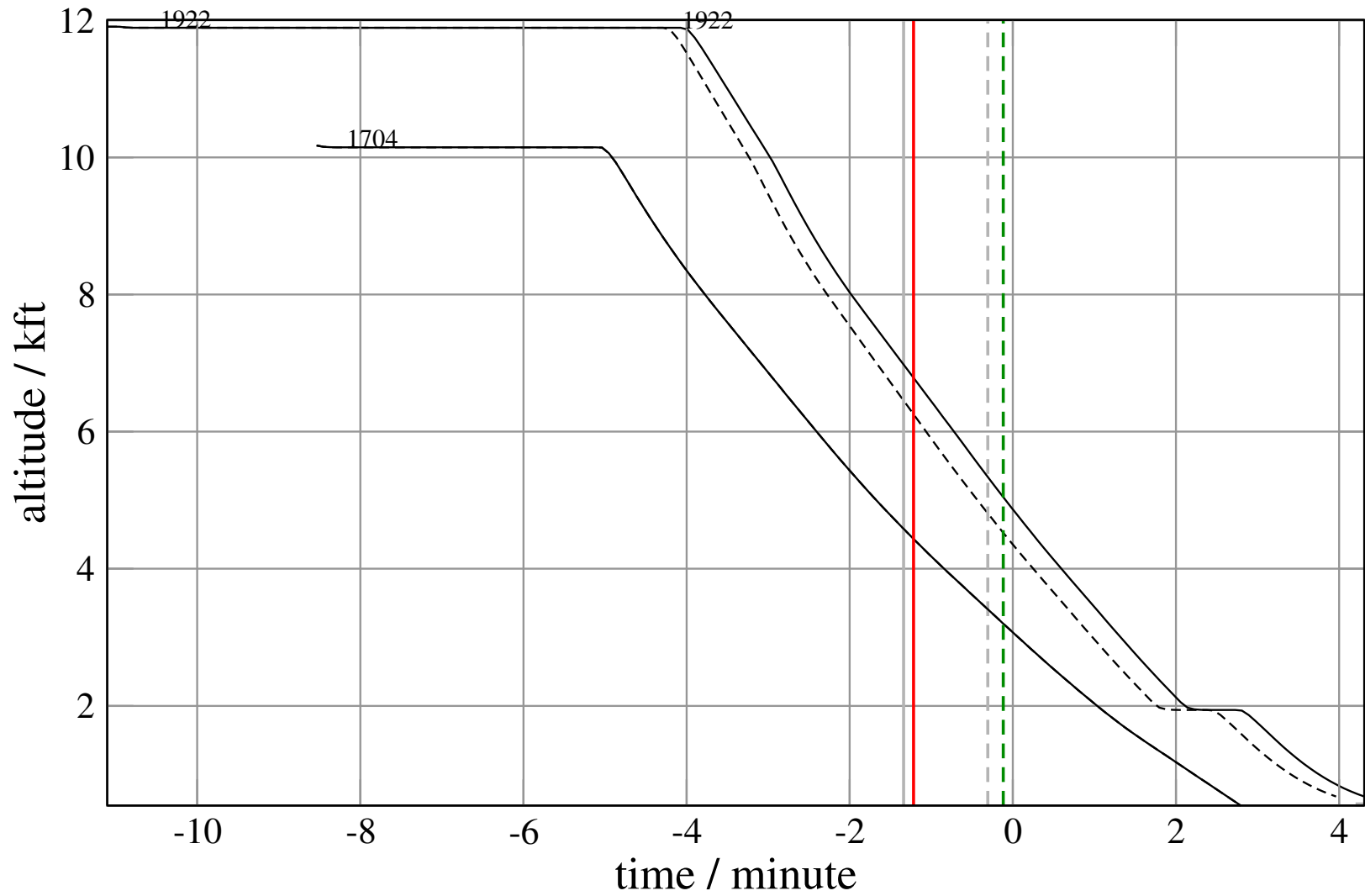
Maneuver Planview

+ A1922E-A1704D 0.967V->1.255V: A1922E speed dec 10 kn (+21 s) 1704-1922-26



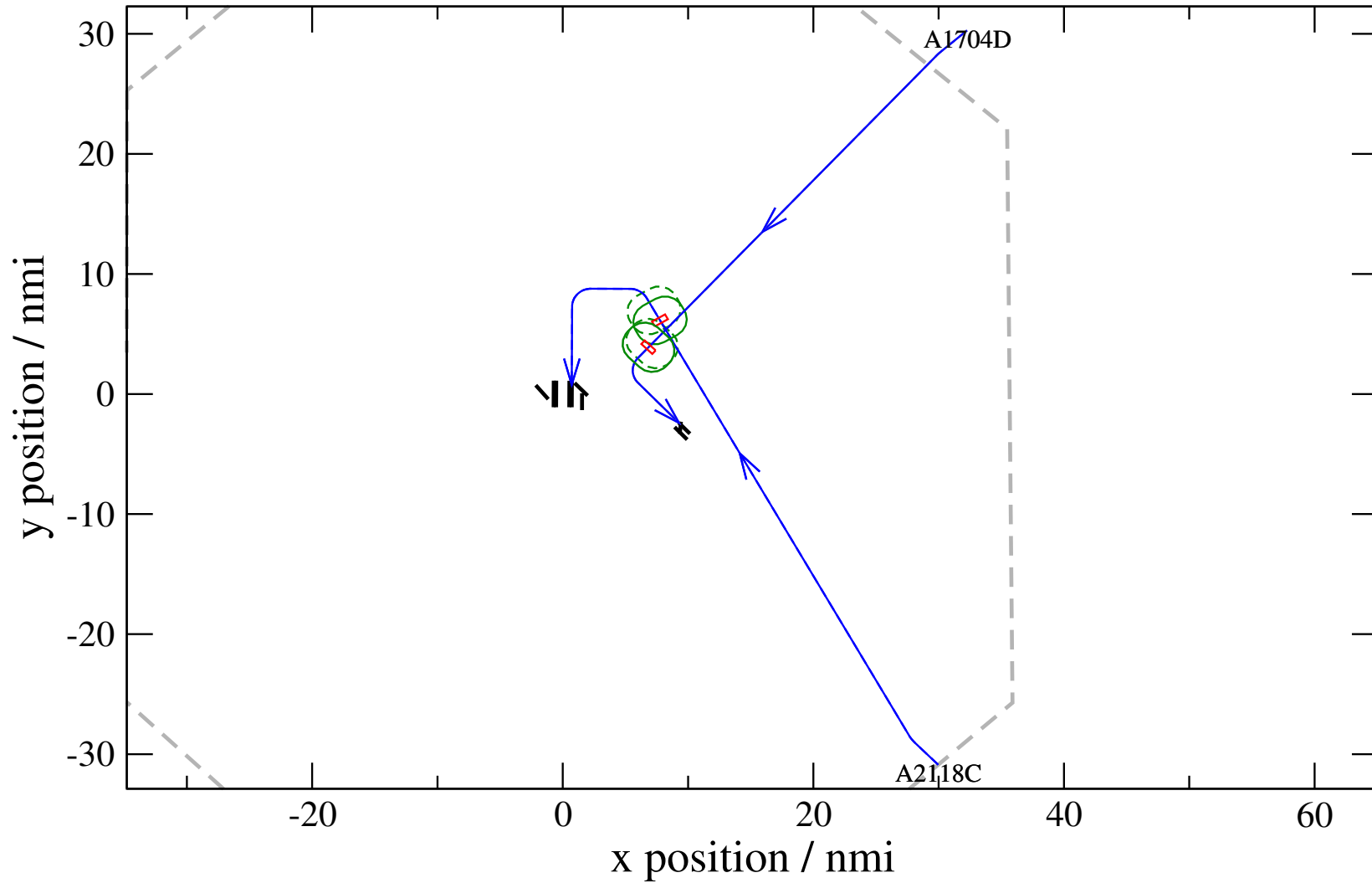
Maneuver Altitude Profiles

+ A1922E-A1704D 0.967V->1.255V: A1922E speed dec 10 kn (+21 s) 1704-1922-26



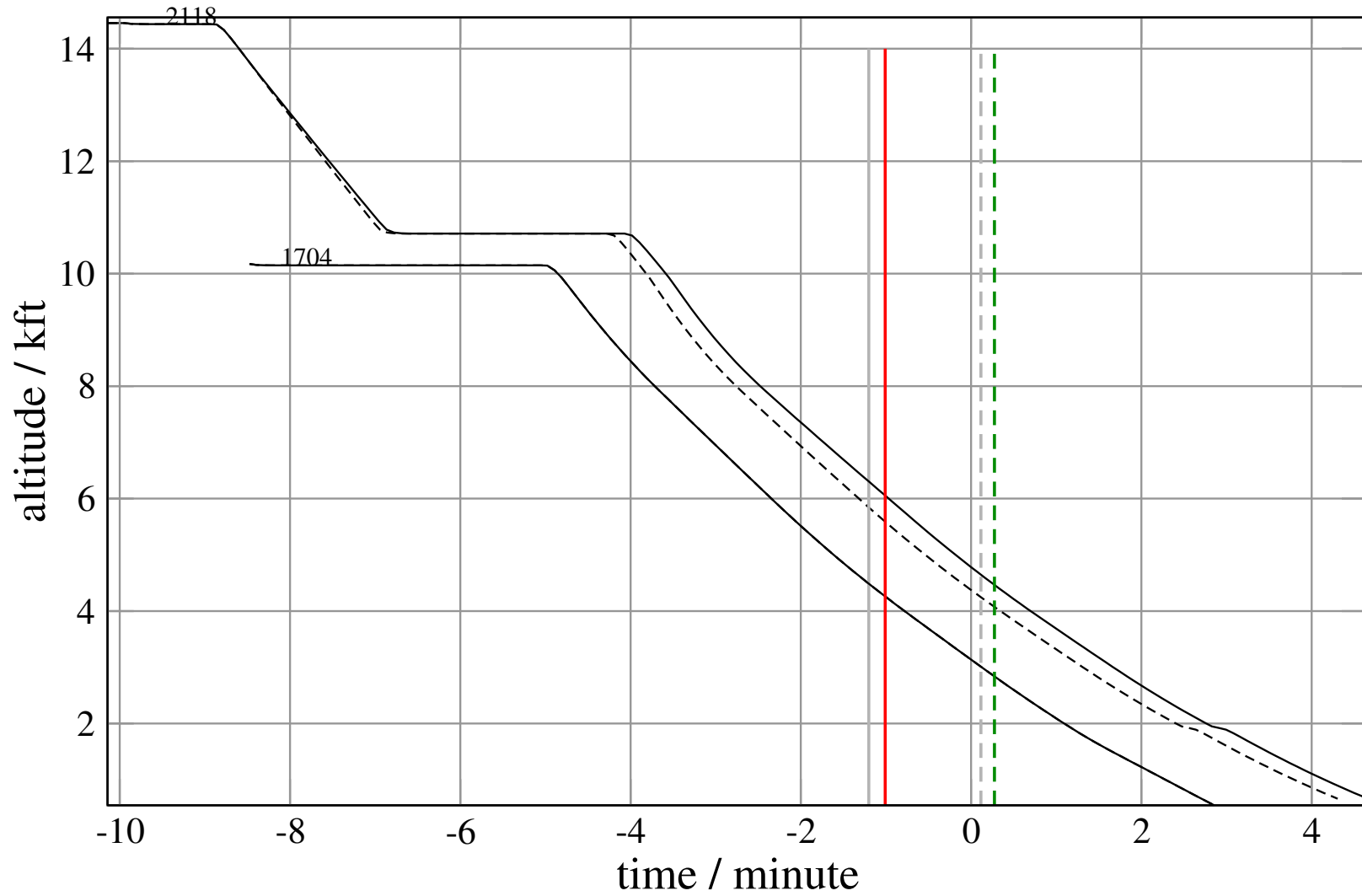
Maneuver Planview

+ A2118C-A1704D 0.716V->1.118V: A2118C speed dec 12 kn (+21 s) 2118-1704-27



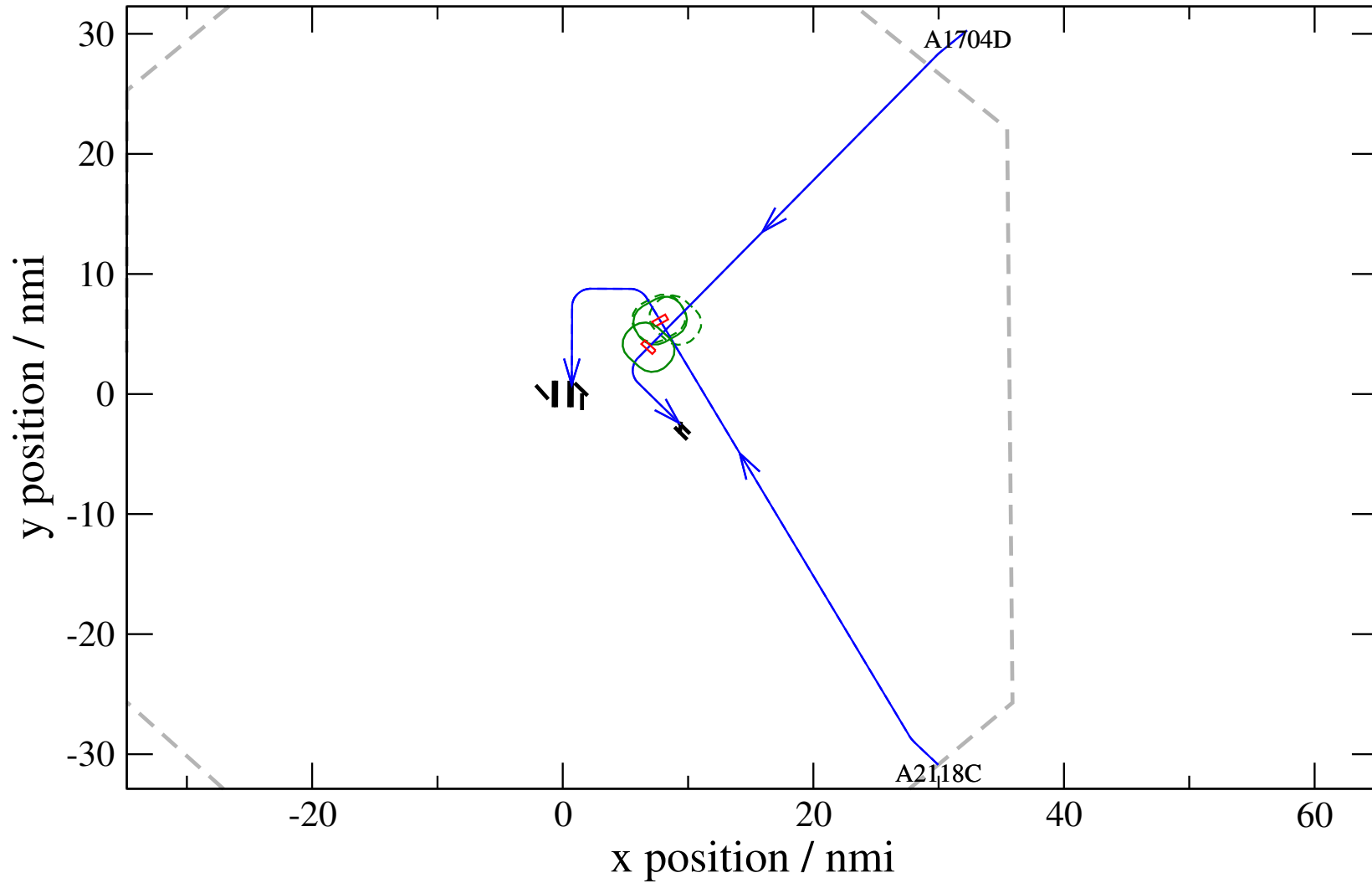
Maneuver Altitude Profiles

+ A2118C-A1704D 0.716V->1.118V: A2118C speed dec 12 kn (+21 s) 2118-1704-27



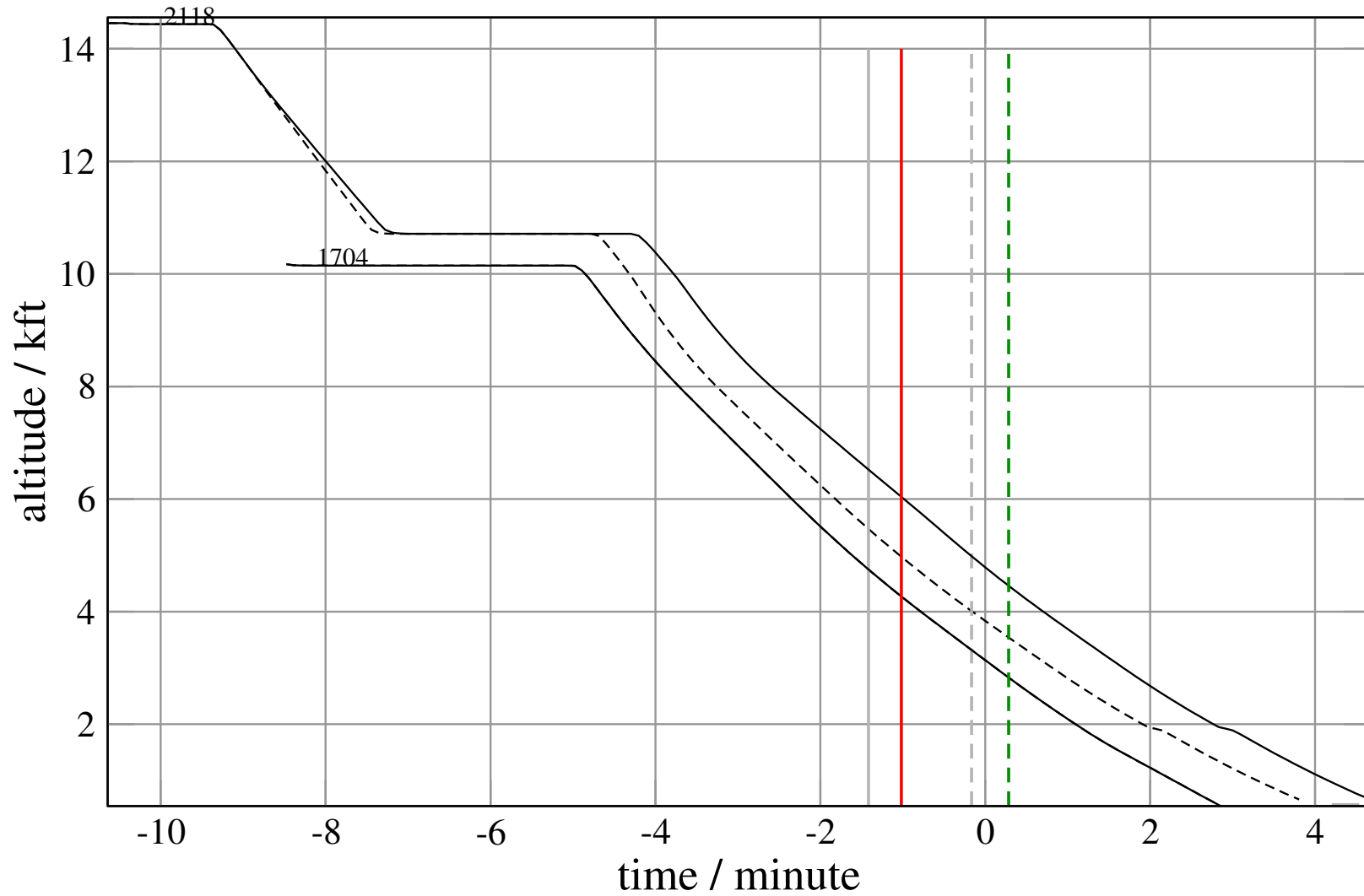
Maneuver Planview

+ A2118C-A1704D 0.209H->1.123V: A2118C speed dec 27 kn (+52 s) 2118-1704-28



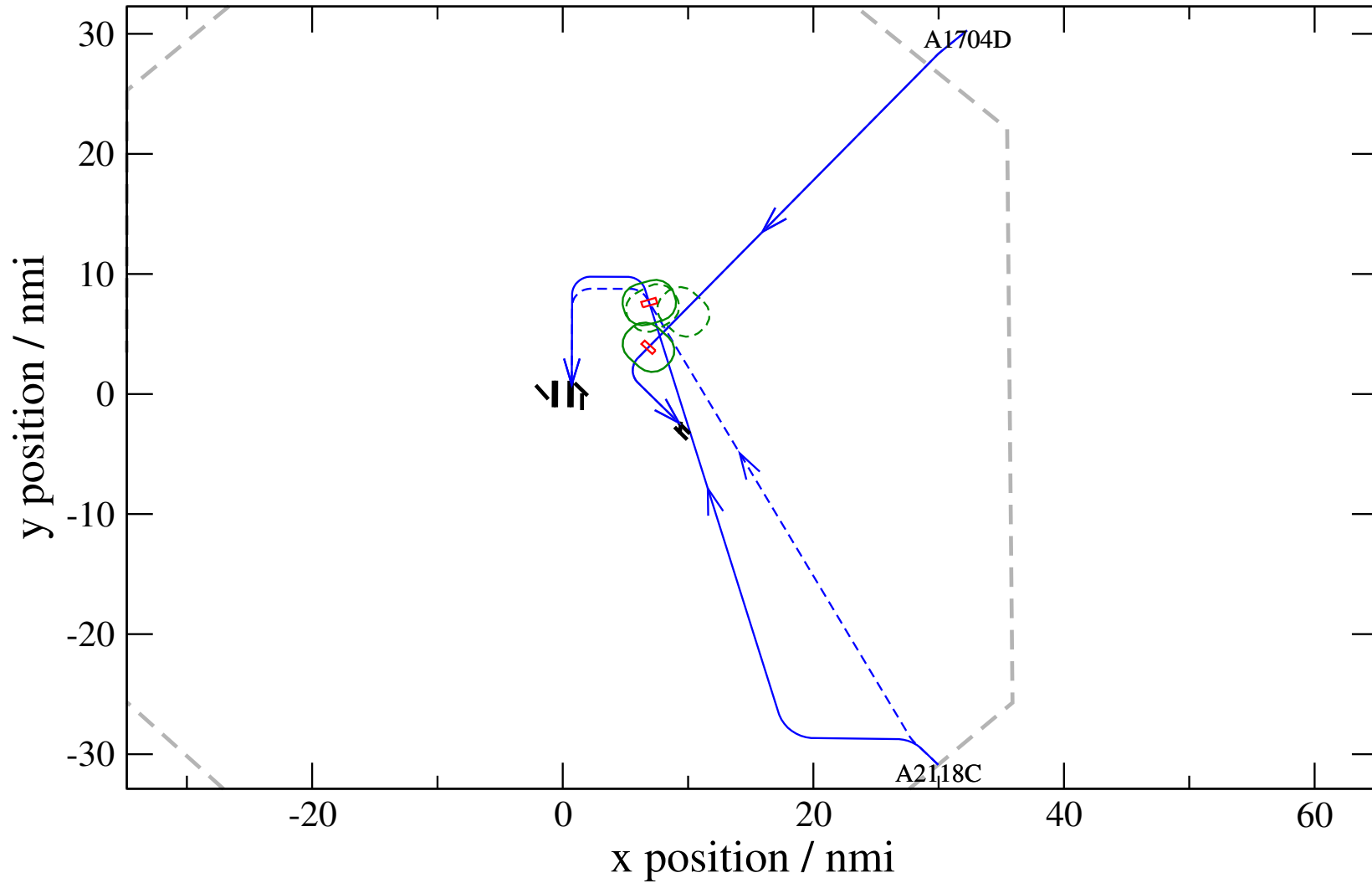
Maneuver Altitude Profiles

+ A2118C-A1704D 0.209H->1.123V: A2118C speed dec 27 kn (+52 s) 2118-1704-28



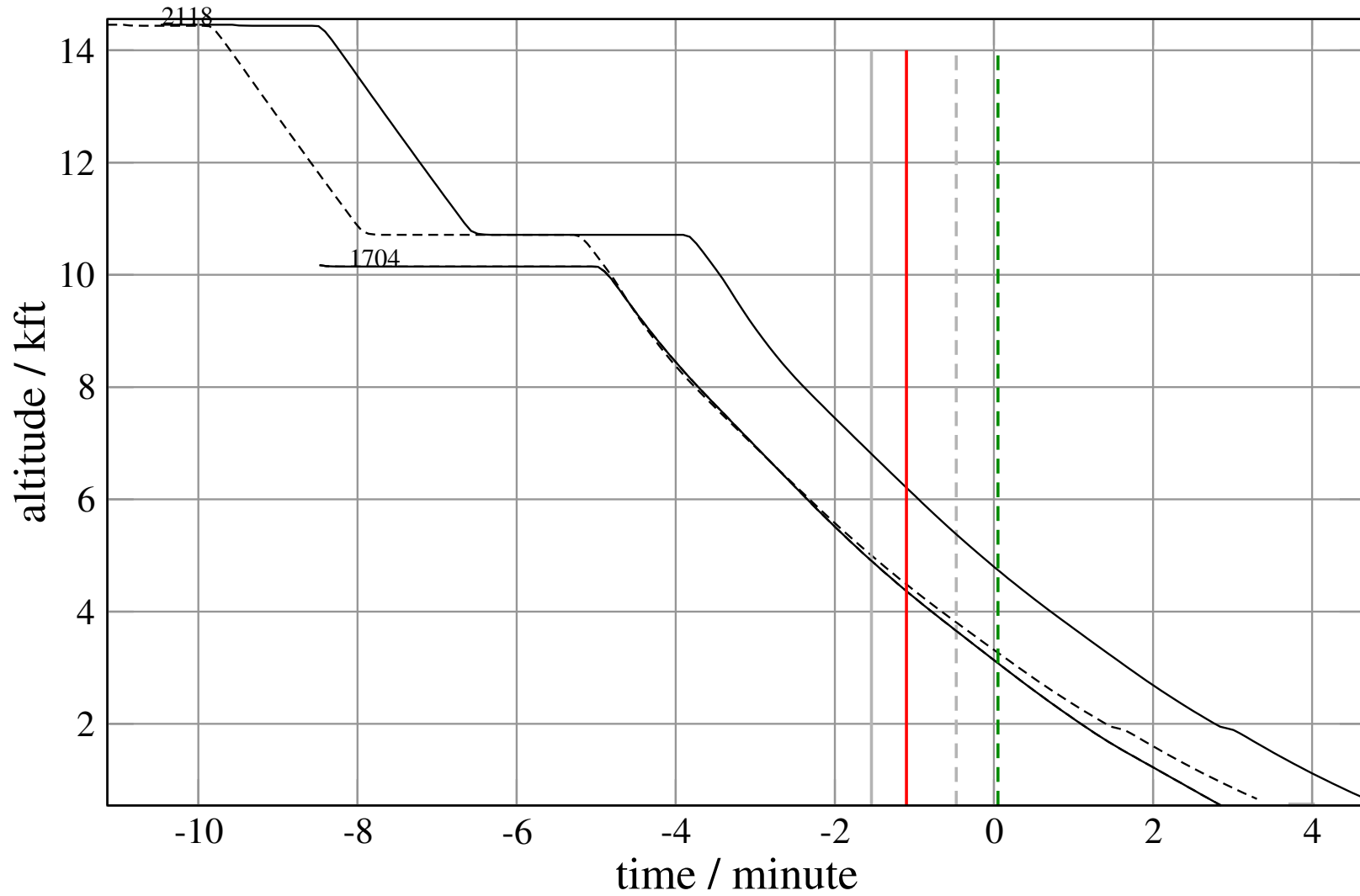
Maneuver Planview

+ A2118C-A1704D 0.419H->1.136V: A2118C reroute -60 deg, 10 nm, 9 nm (+82 s) 2118-1704-29



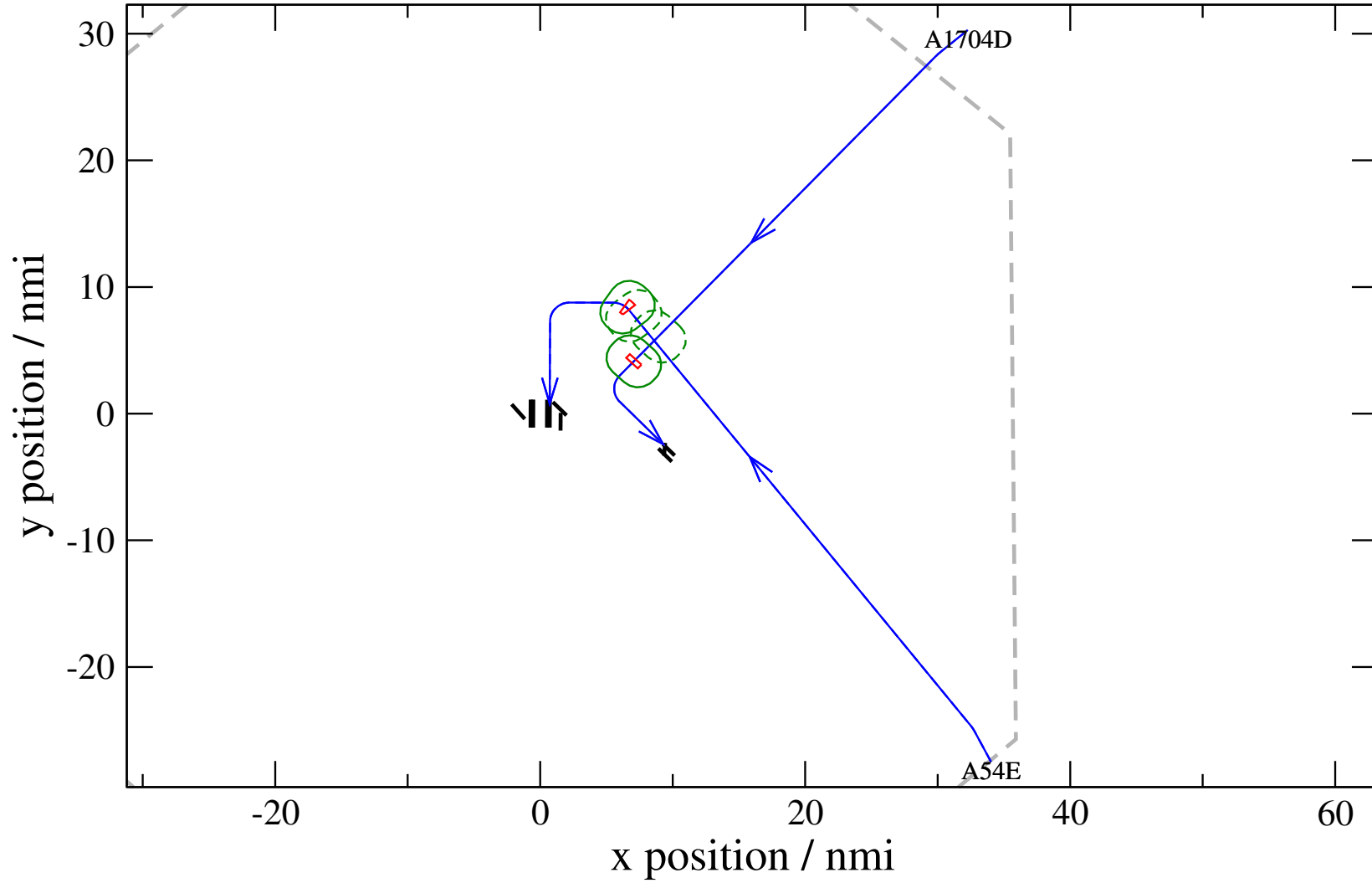
Maneuver Altitude Profiles

+ A2118C-A1704D 0.419H->1.136V: A2118C reroute -60 deg, 10 nm, 9 nm (+82 s) 2118-1704-29



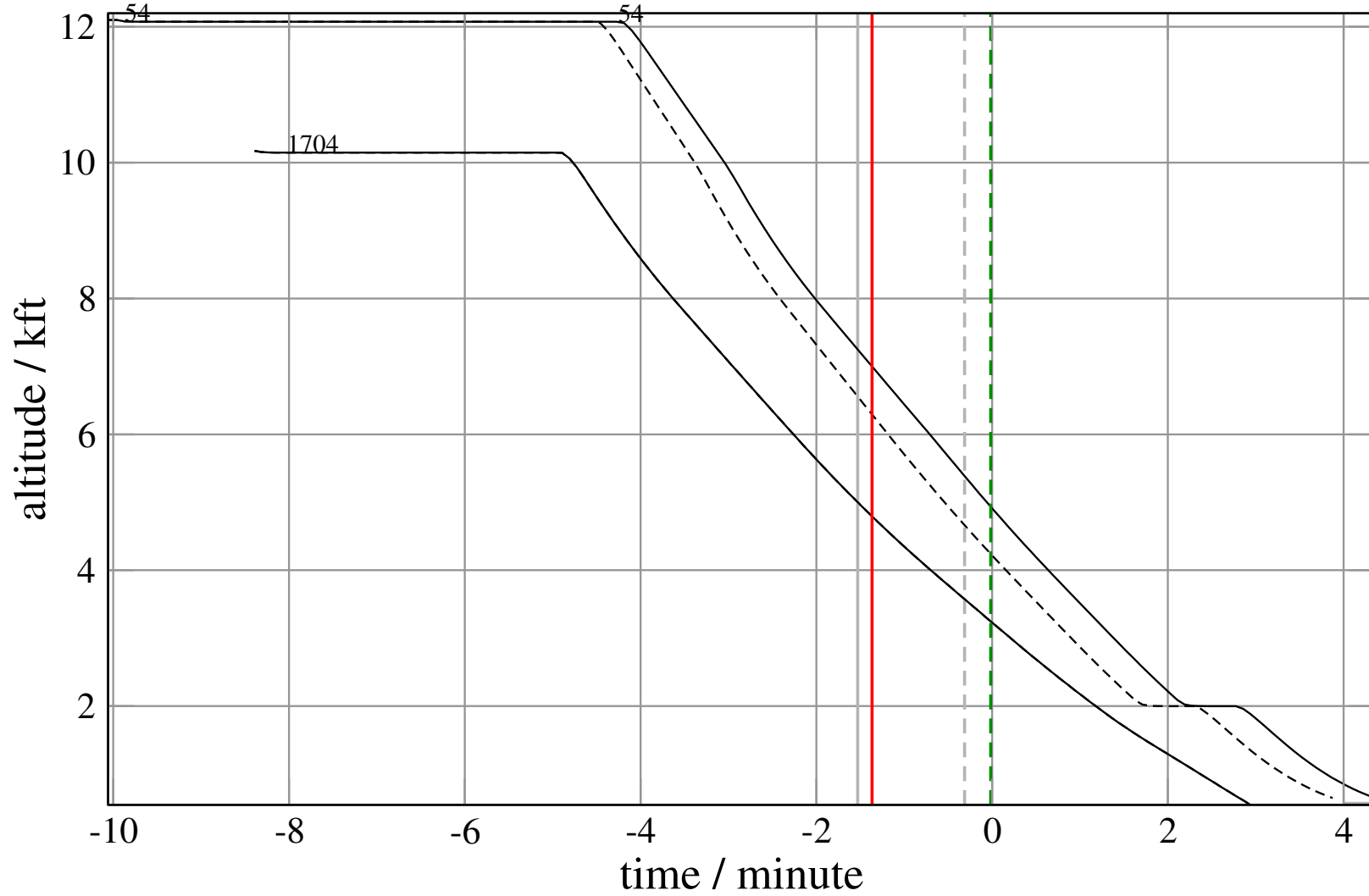
Maneuver Planview

+ A54E-A1704D 0.686V->1.139V: A54E speed dec 15 kn (+29 s) 54-1704-27



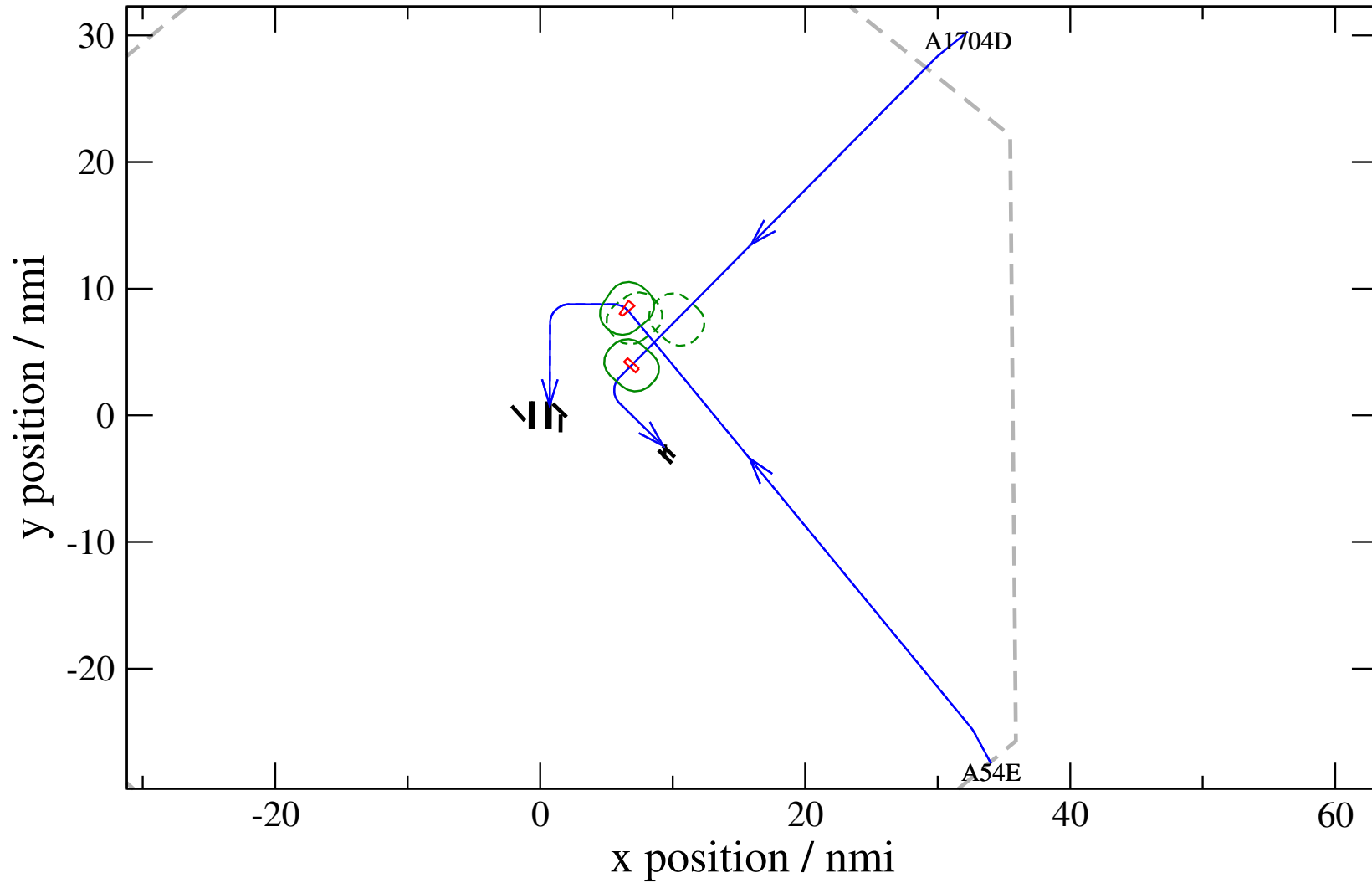
Maneuver Altitude Profiles

+ A54E-A1704D 0.686V->1.139V: A54E speed dec 15 kn (+29 s) 54-1704-27



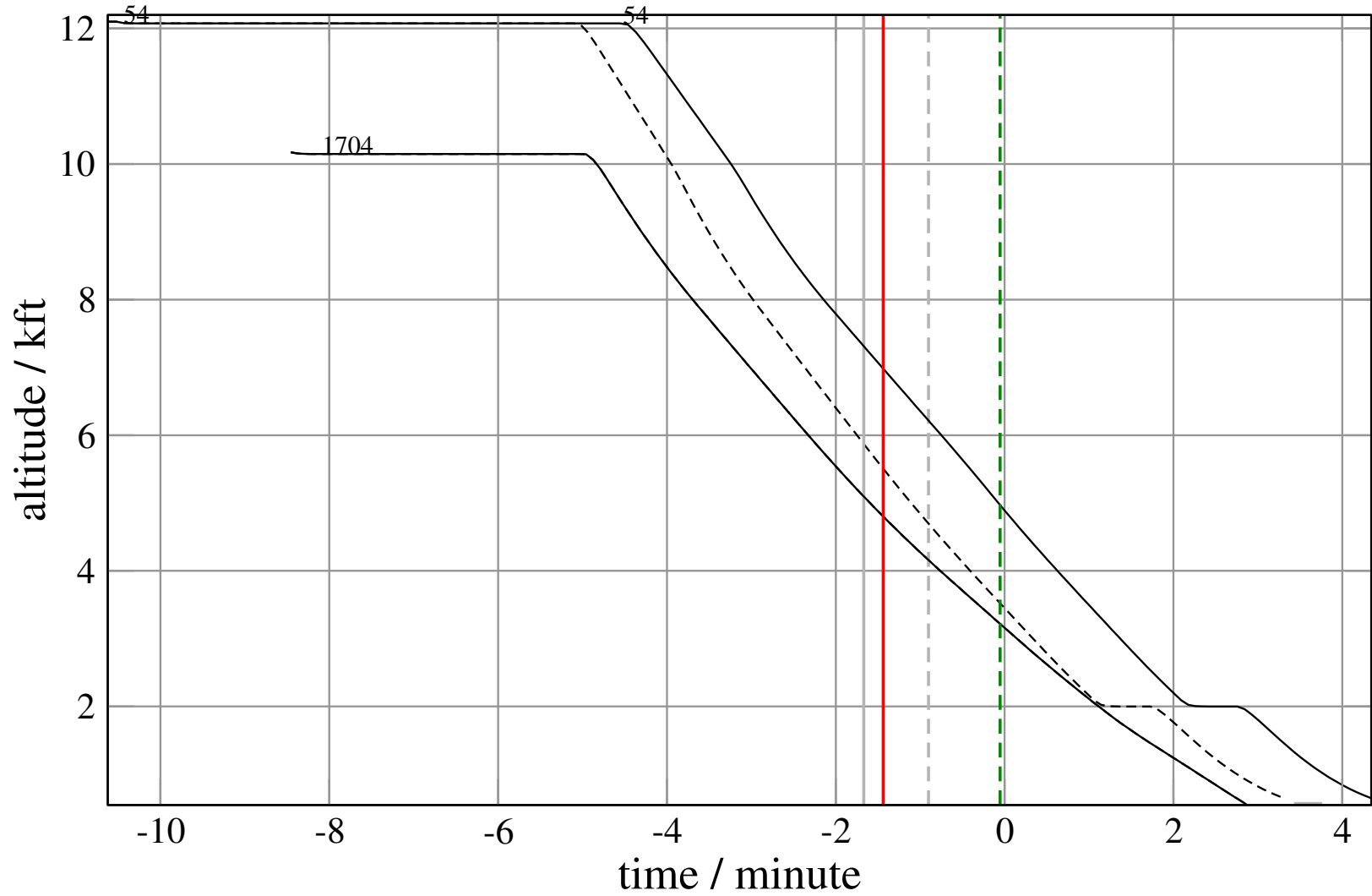
Maneuver Planview

+ A54E-A1704D 0.664H->1.189V: A54E speed dec 30 kn (+62 s) 54-1704-28



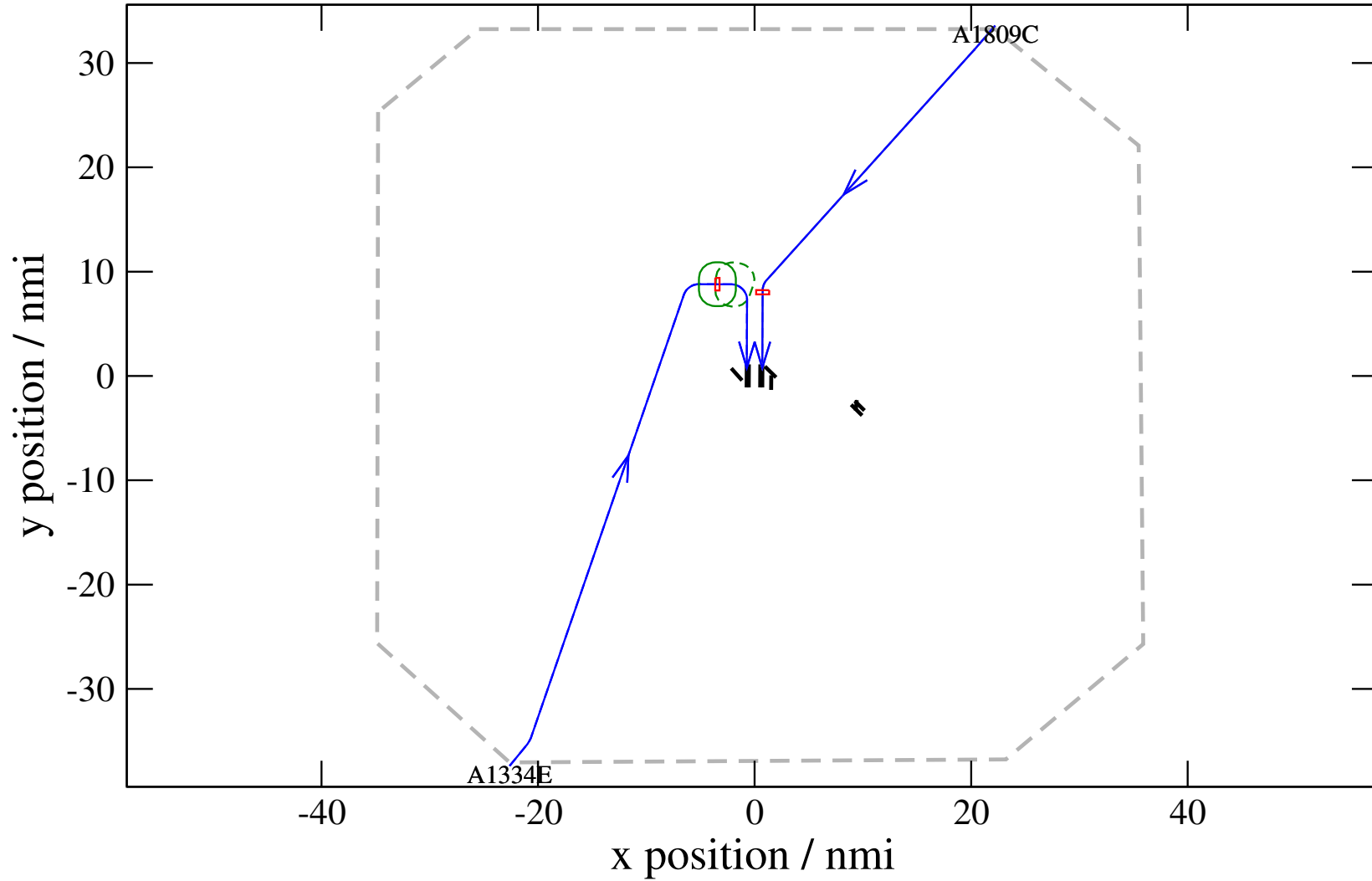
Maneuver Altitude Profiles

+ A54E-A1704D 0.664H->1.189V: A54E speed dec 30 kn (+62 s) 54-1704-28



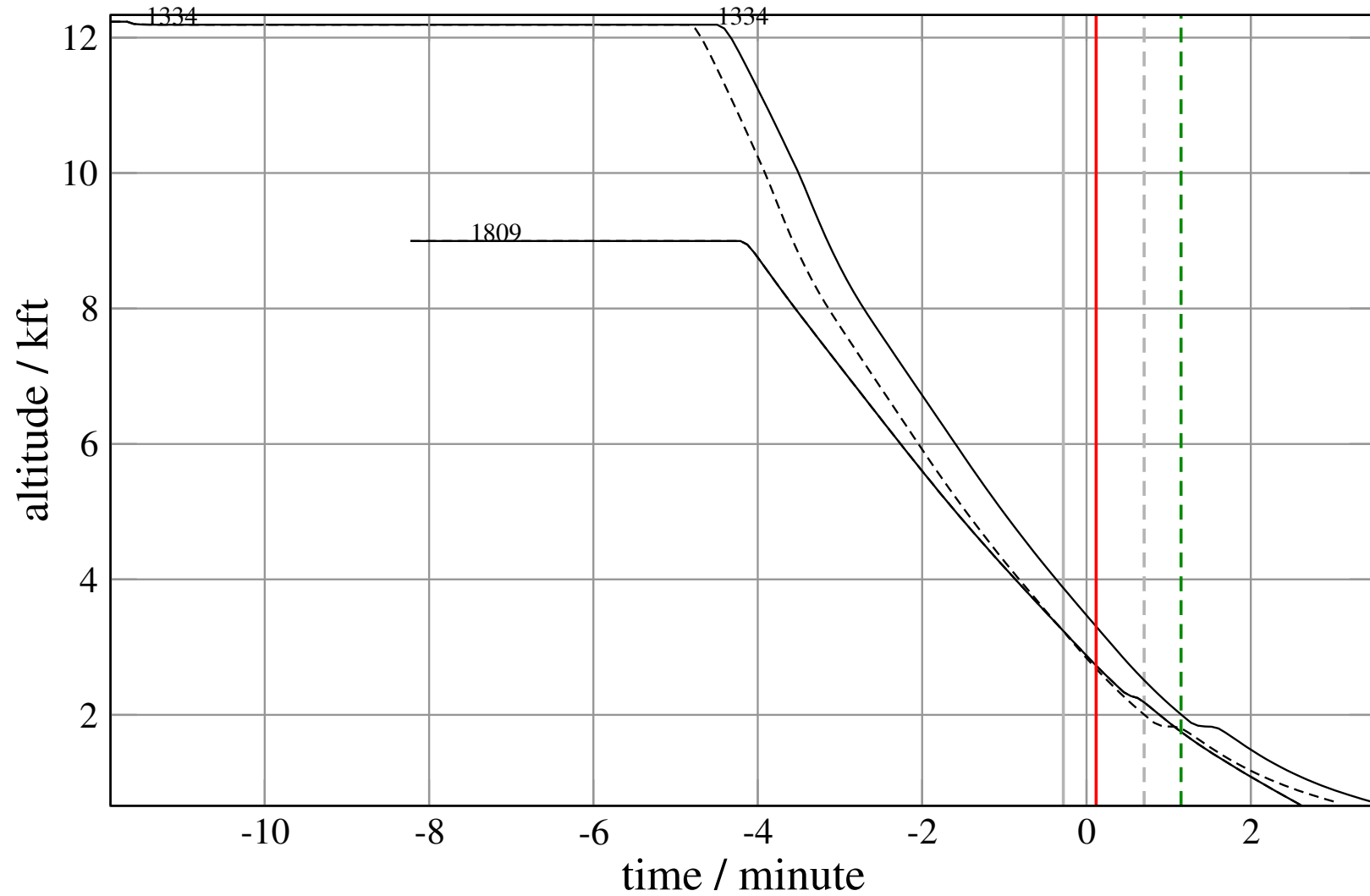
Maneuver Planview

+ A1334E-A1809C 0.638H->1.129H: A1334E speed dec 15 kn (+27 s) 1334-1809-30



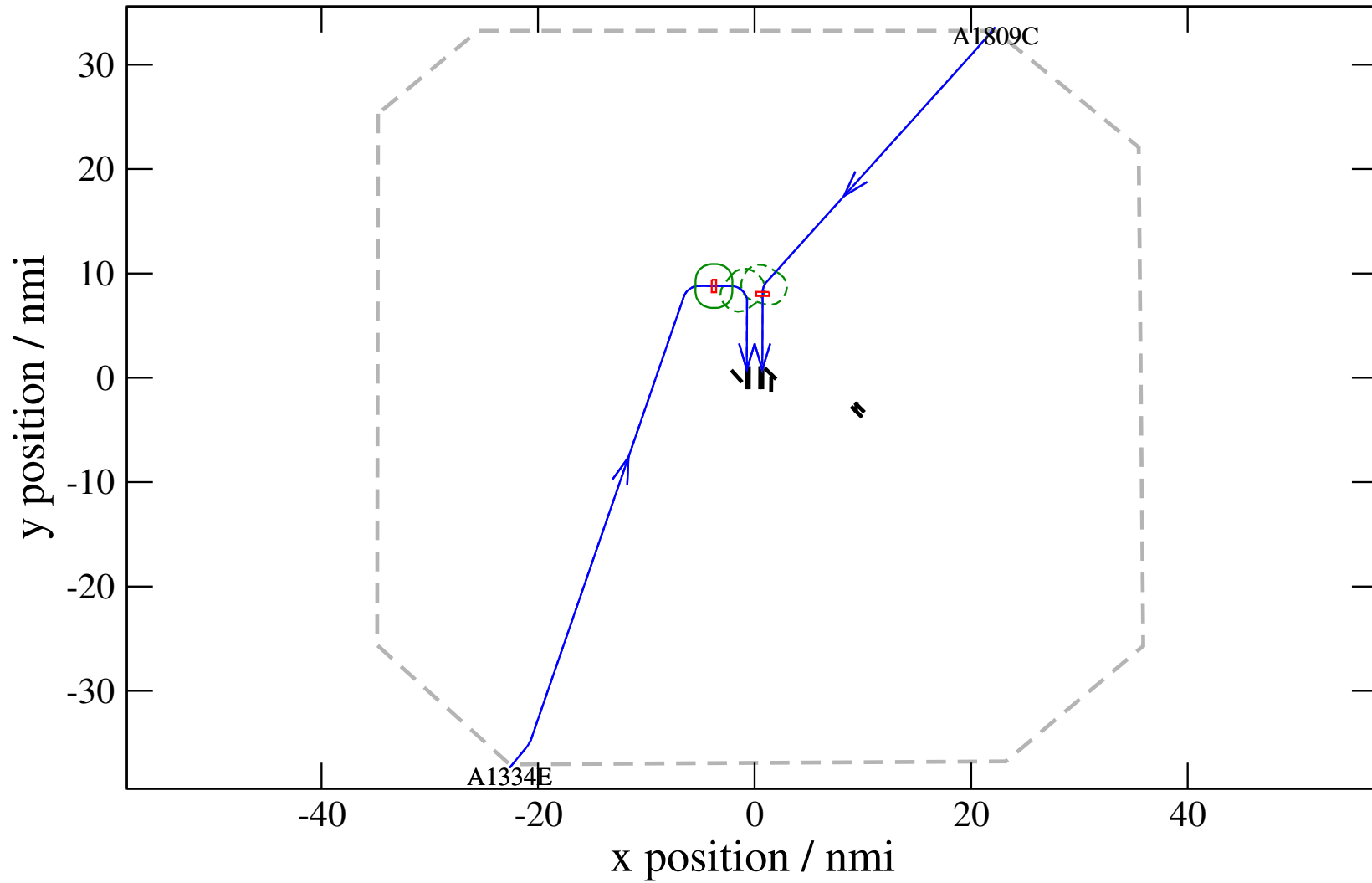
Maneuver Altitude Profiles

+ A1334E-A1809C 0.638H->1.129H: A1334E speed dec 15 kn (+27 s) 1334-1809-30



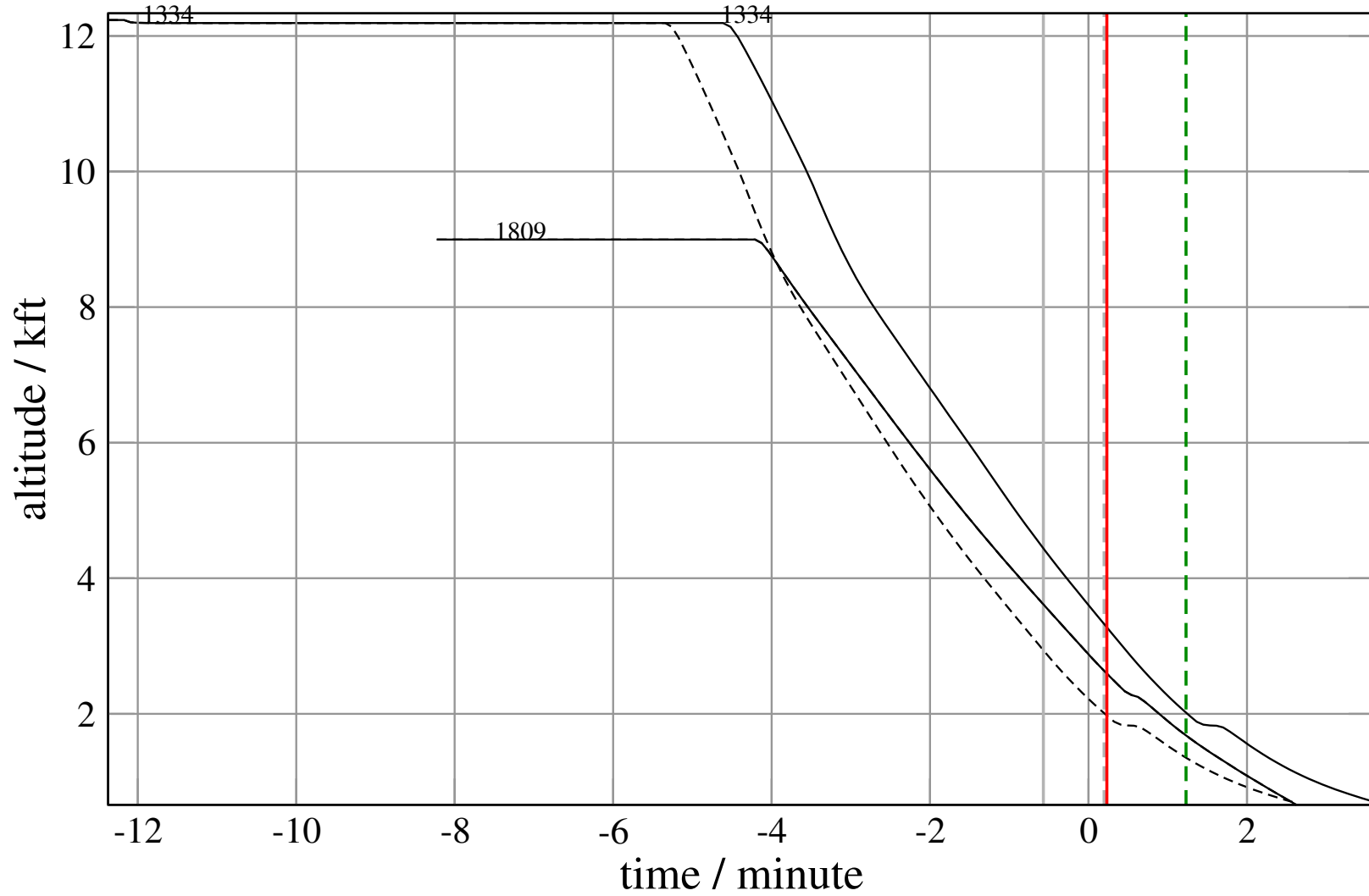
Maneuver Planview

+ A1334E-A1809C 0.406V->1.235H: A1334E speed dec 30 kn (+62 s) 1334-1809-31



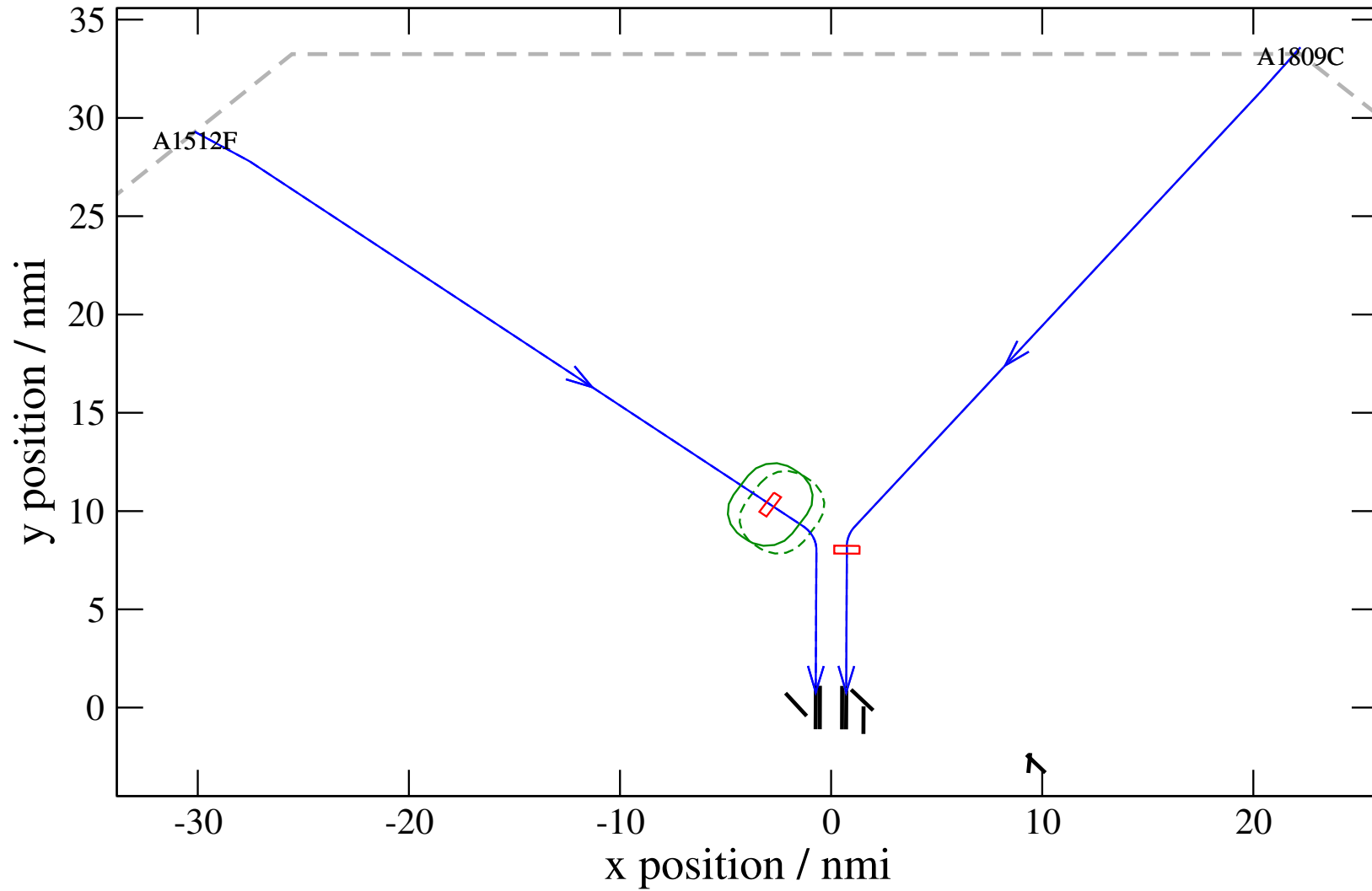
Maneuver Altitude Profiles

+ A1334E-A1809C 0.406V->1.235H: A1334E speed dec 30 kn (+62 s) 1334-1809-31



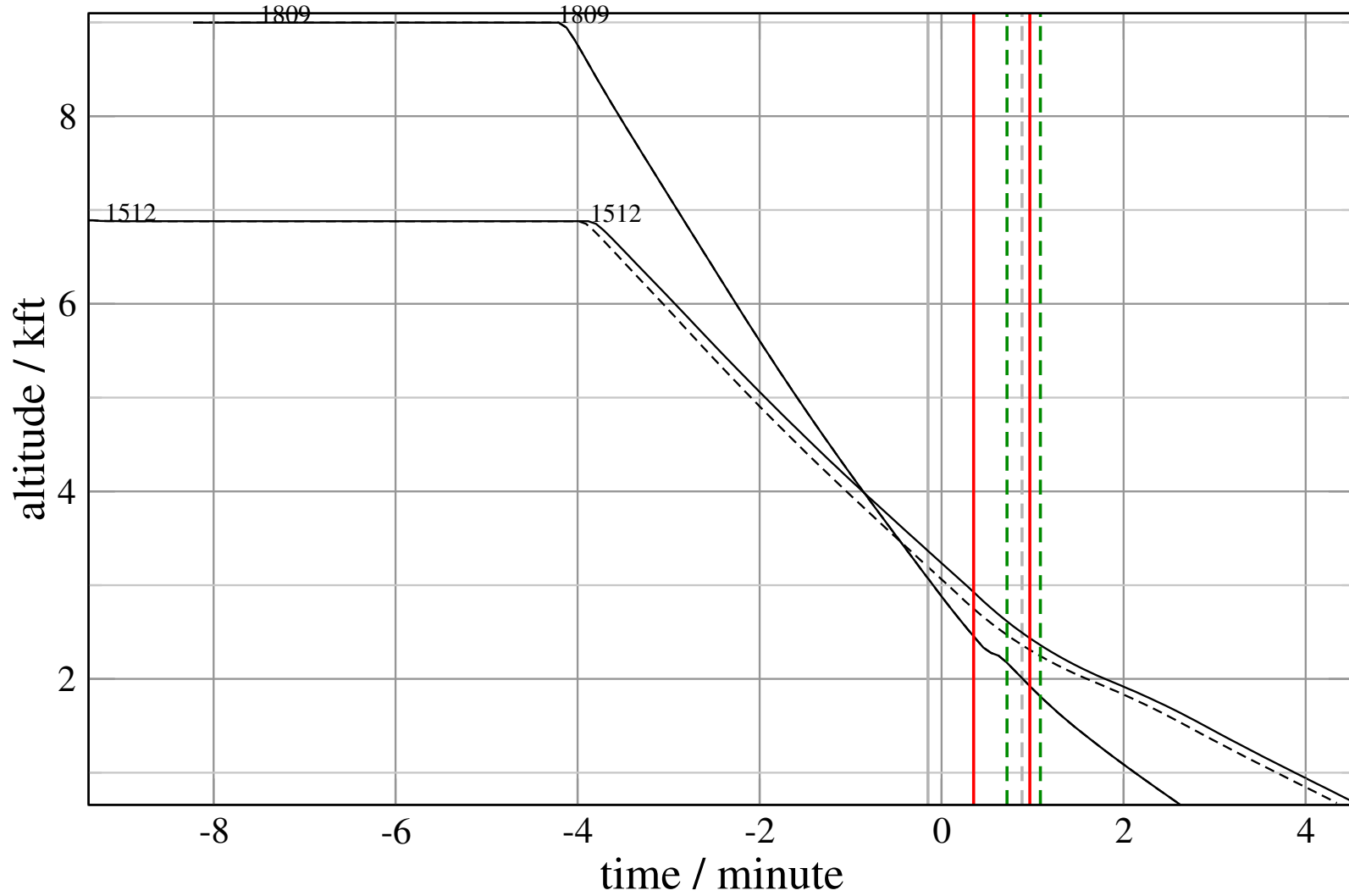
Maneuver Planview

+ A1512F-A1809C 0.932H->1.159H: A1512F speed dec 5 kn (+12 s) 1512-1809-25



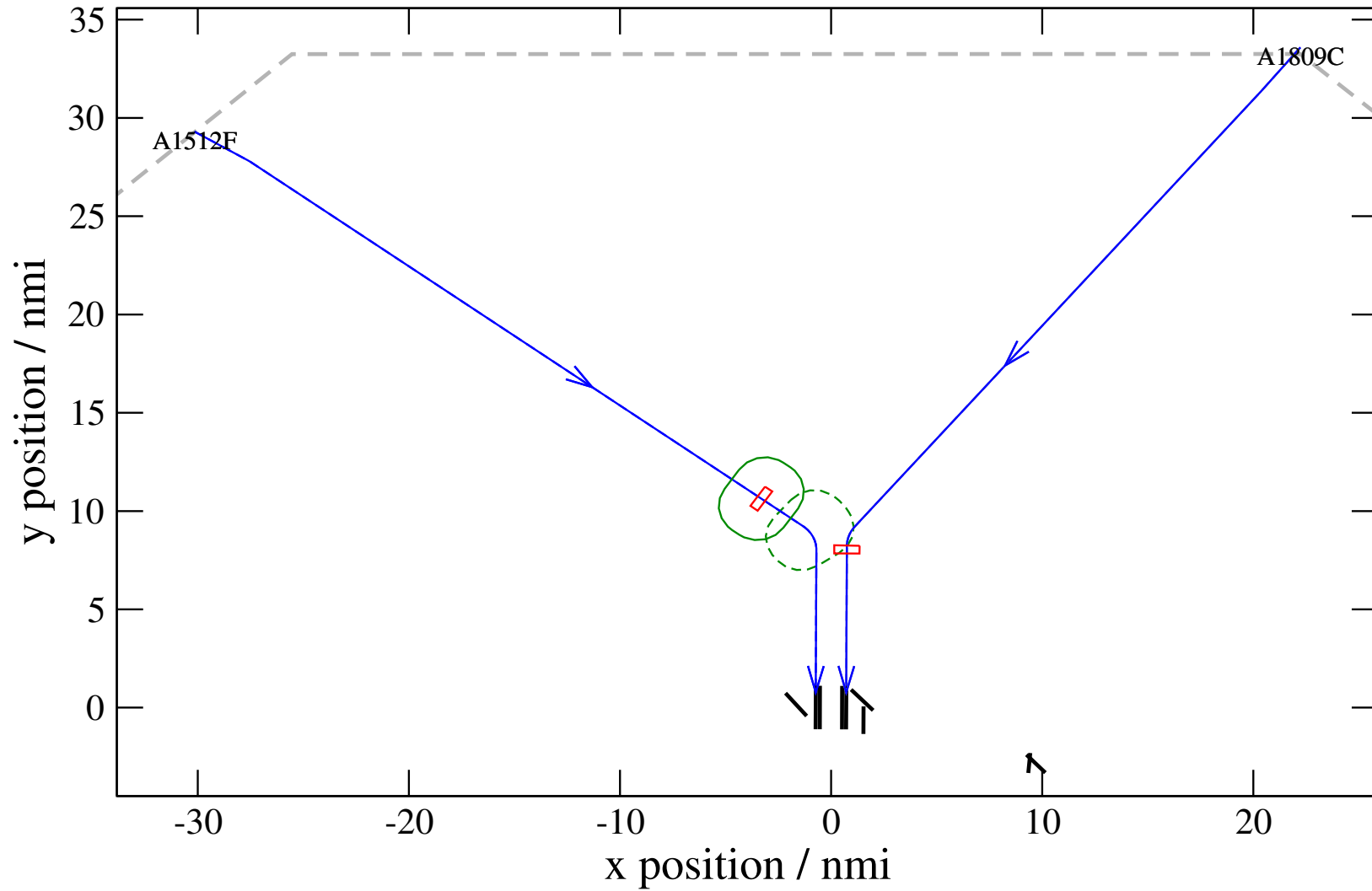
Maneuver Altitude Profiles

+ A1512F-A1809C 0.932H->1.159H: A1512F speed dec 5 kn (+12 s) 1512-1809-25



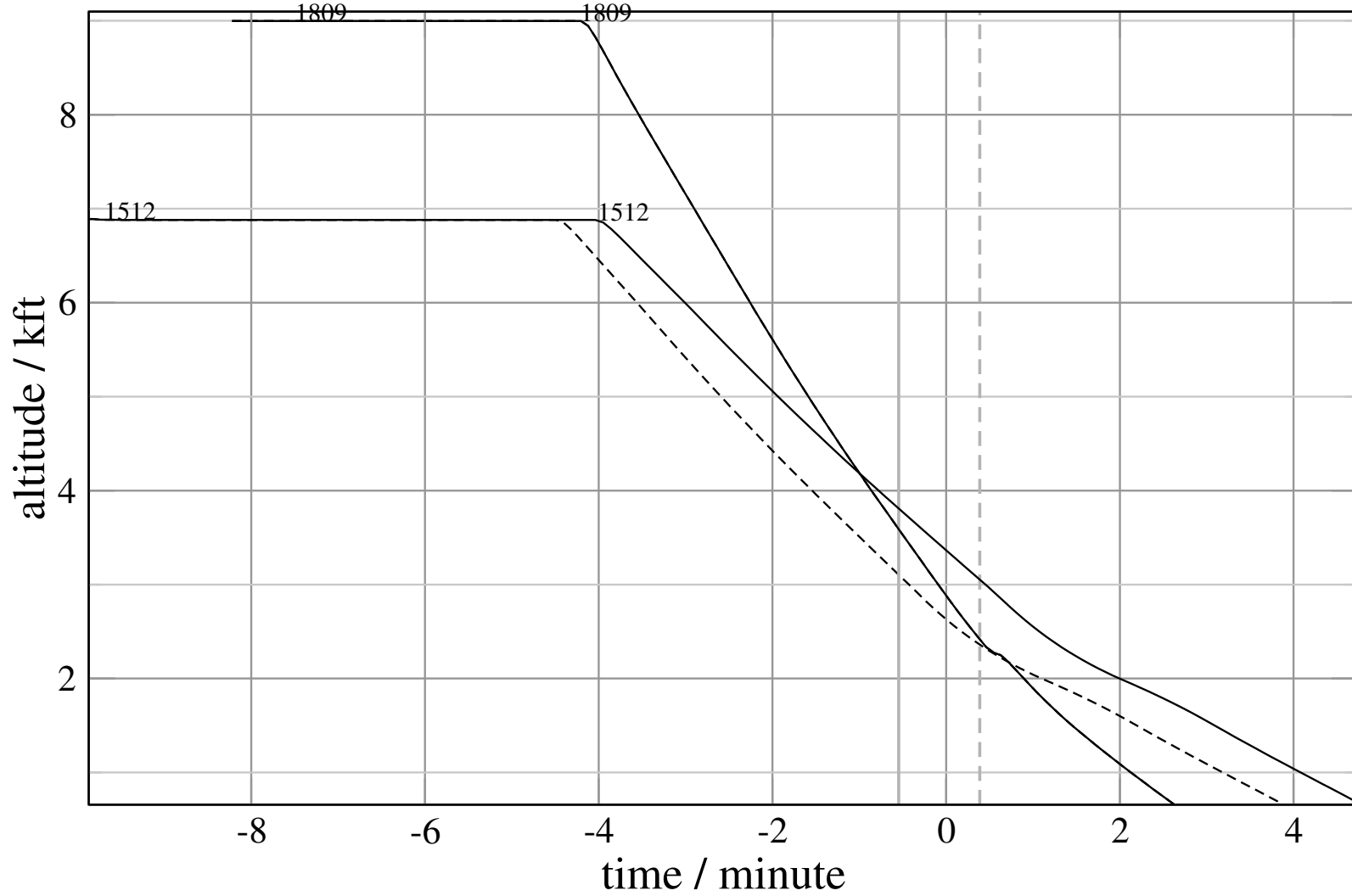
Maneuver Planview

+ A1512F-A1809C 0.332H->1.327H: A1512F speed dec 20 kn (+54 s) 1512-1809-26



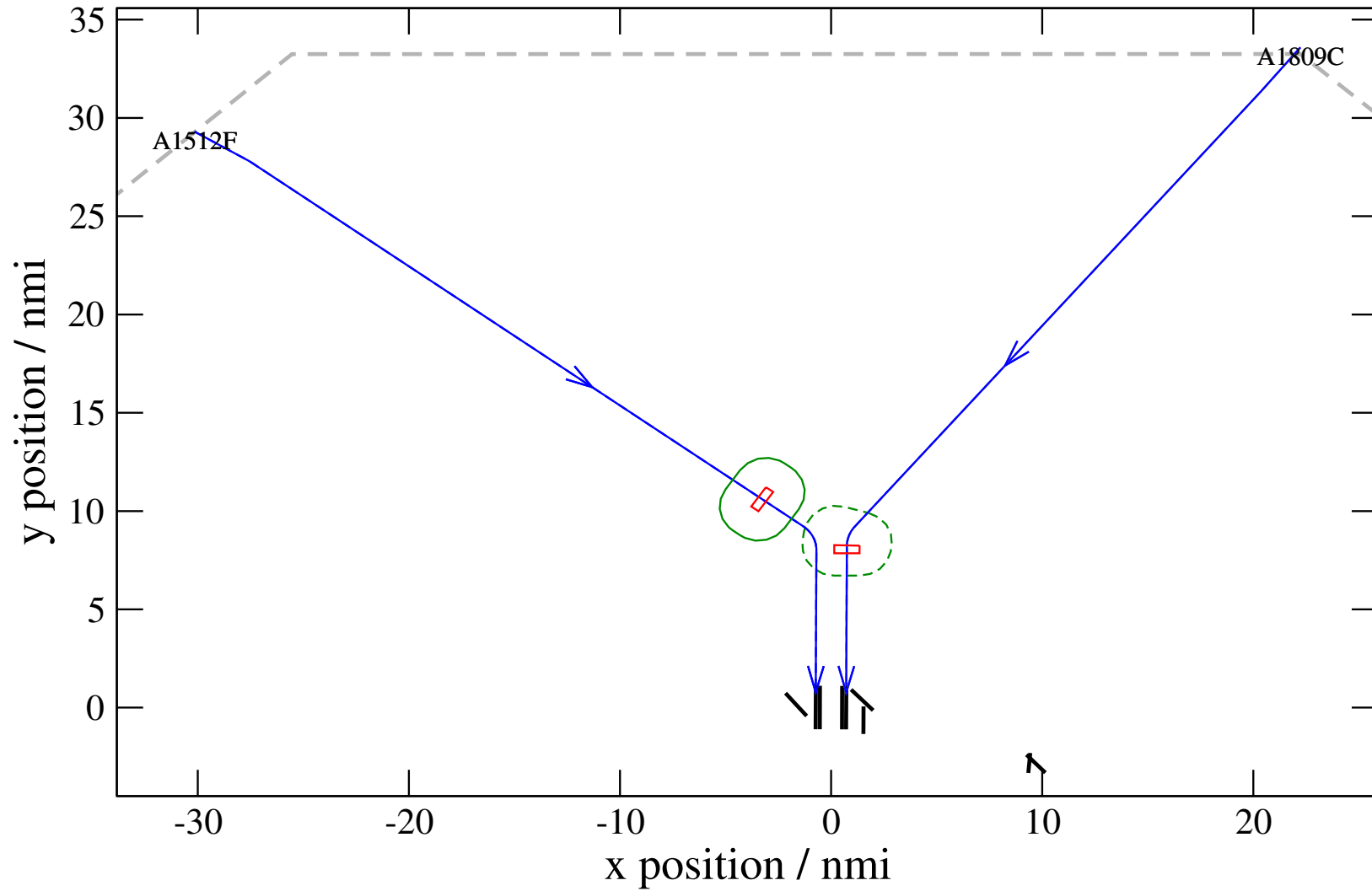
Maneuver Altitude Profiles

+ A1512F-A1809C 0.332H->1.327H: A1512F speed dec 20 kn (+54 s) 1512-1809-26



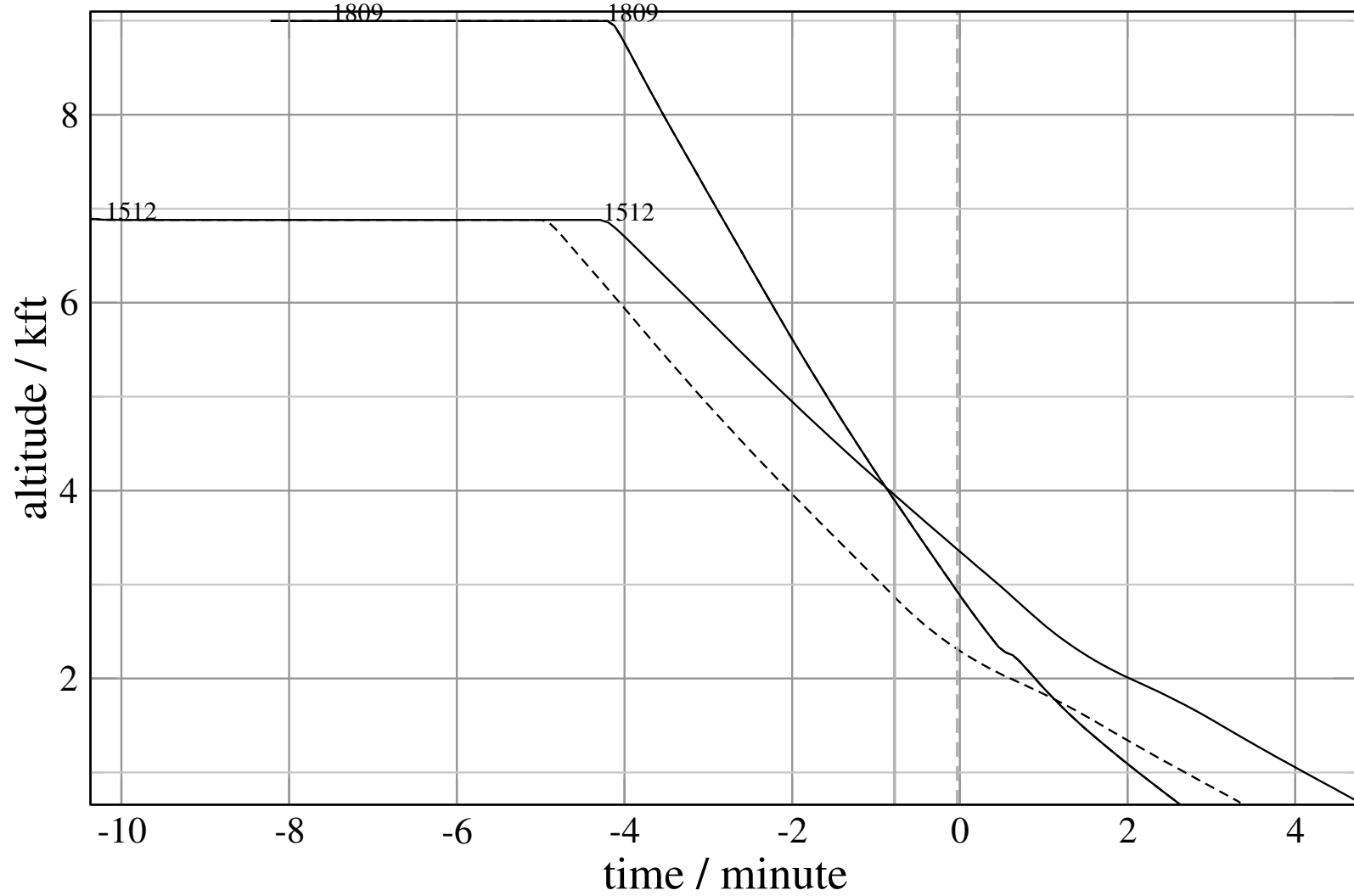
Maneuver Planview

+ A1512F-A1809C 0.492V->1.308H: A1512F speed dec 30 kn (+86 s) 1512-1809-27



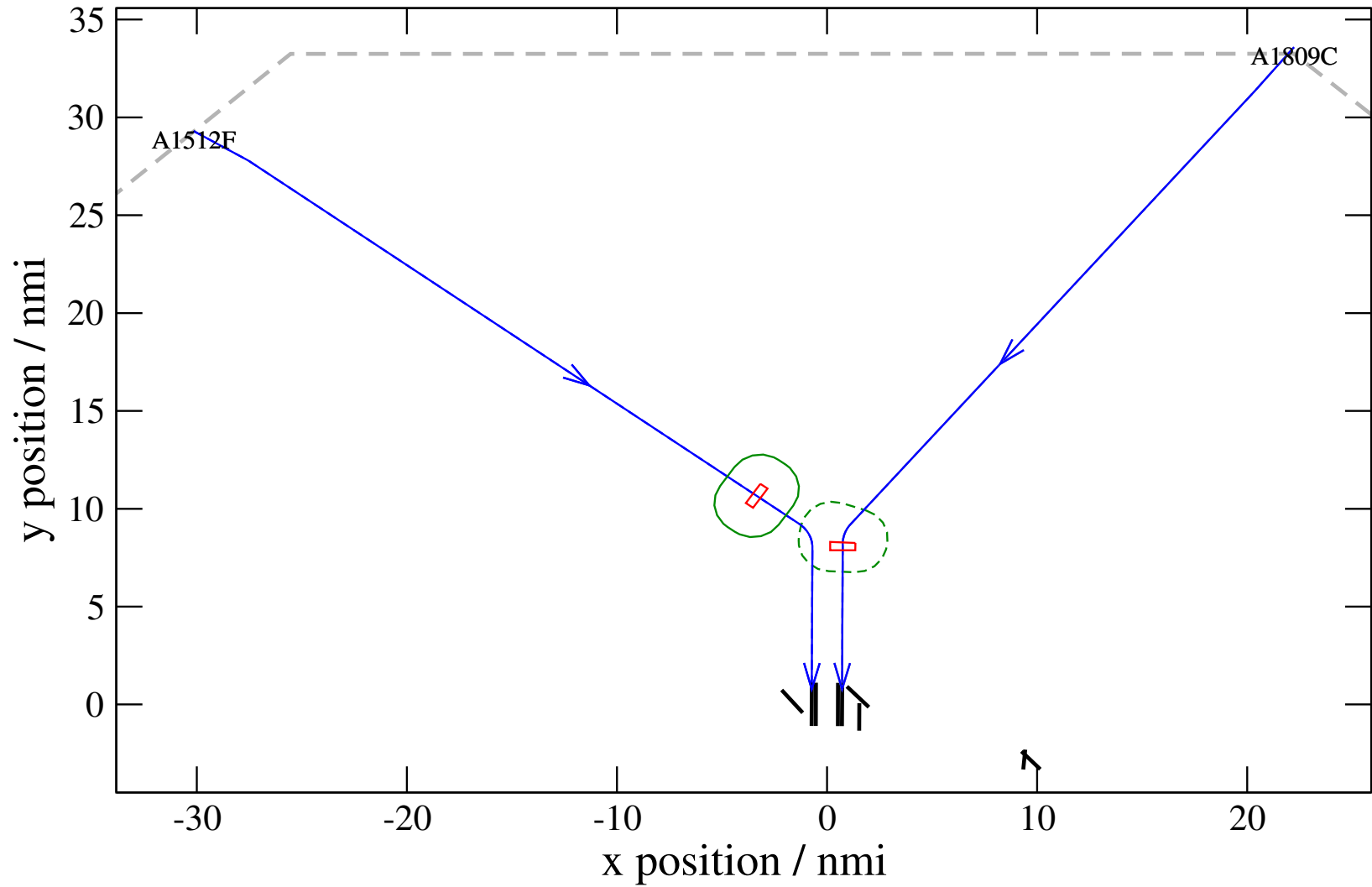
Maneuver Altitude Profiles

+ A1512F-A1809C 0.492V->1.308H: A1512F speed dec 30 kn (+86 s) 1512-1809-27



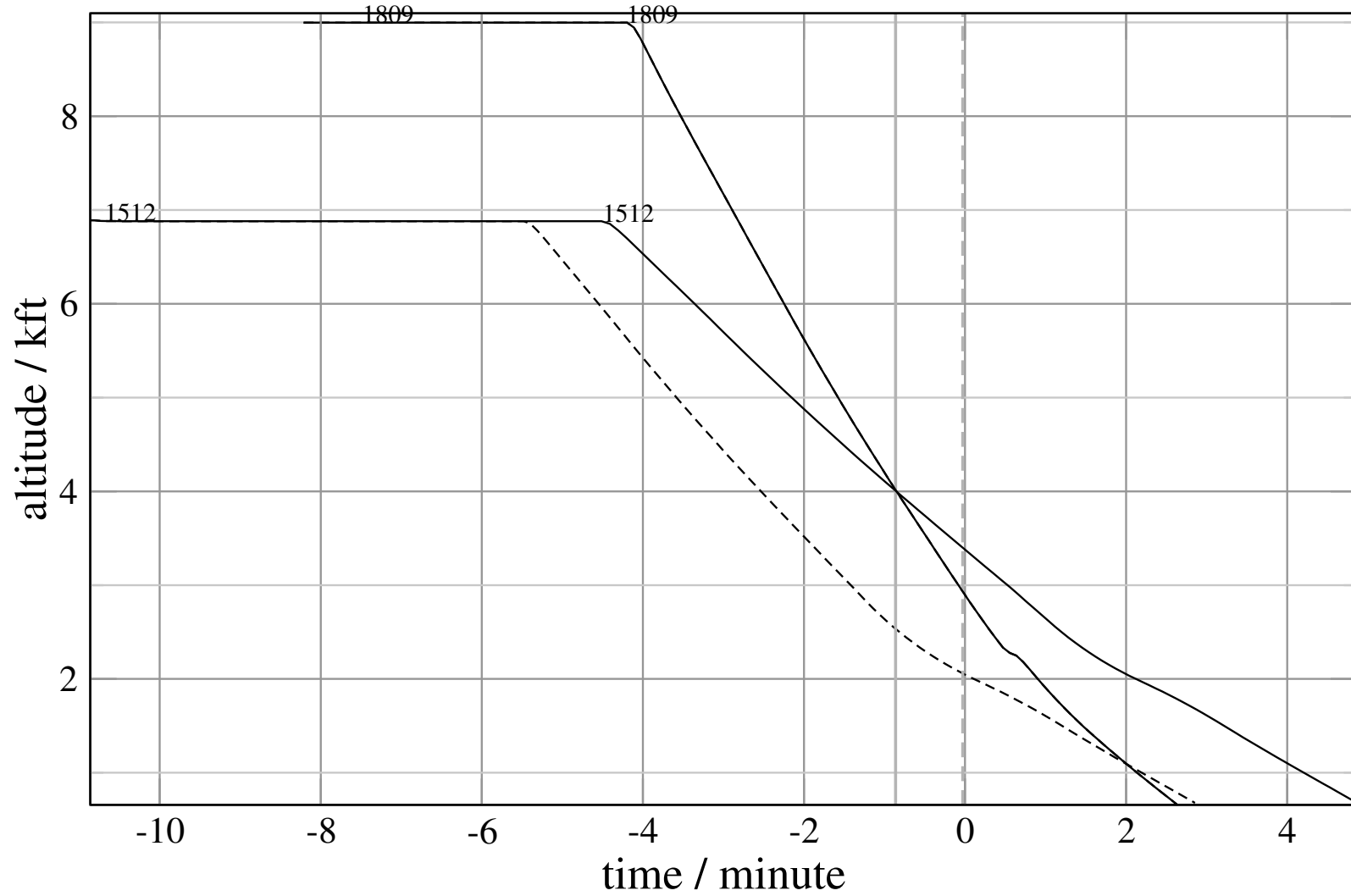
Maneuver Planview

+ A1512F-A1809C 0.835H->1.336H: A1512F speed dec 40 kn (+121 s) 1512-1809-28



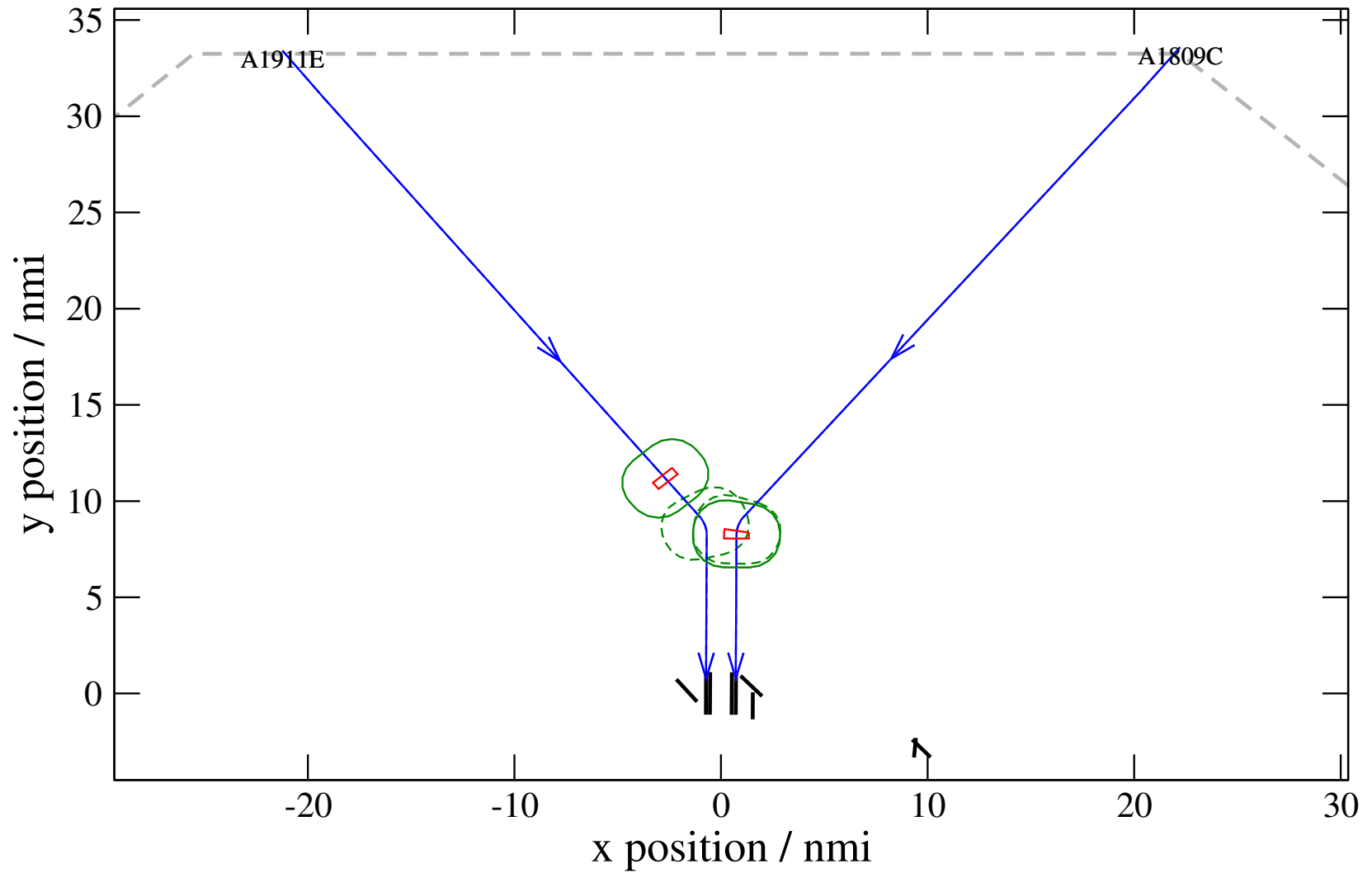
Maneuver Altitude Profiles

+ A1512F-A1809C 0.835H->1.336H: A1512F speed dec 40 kn (+121 s) 1512-1809-28



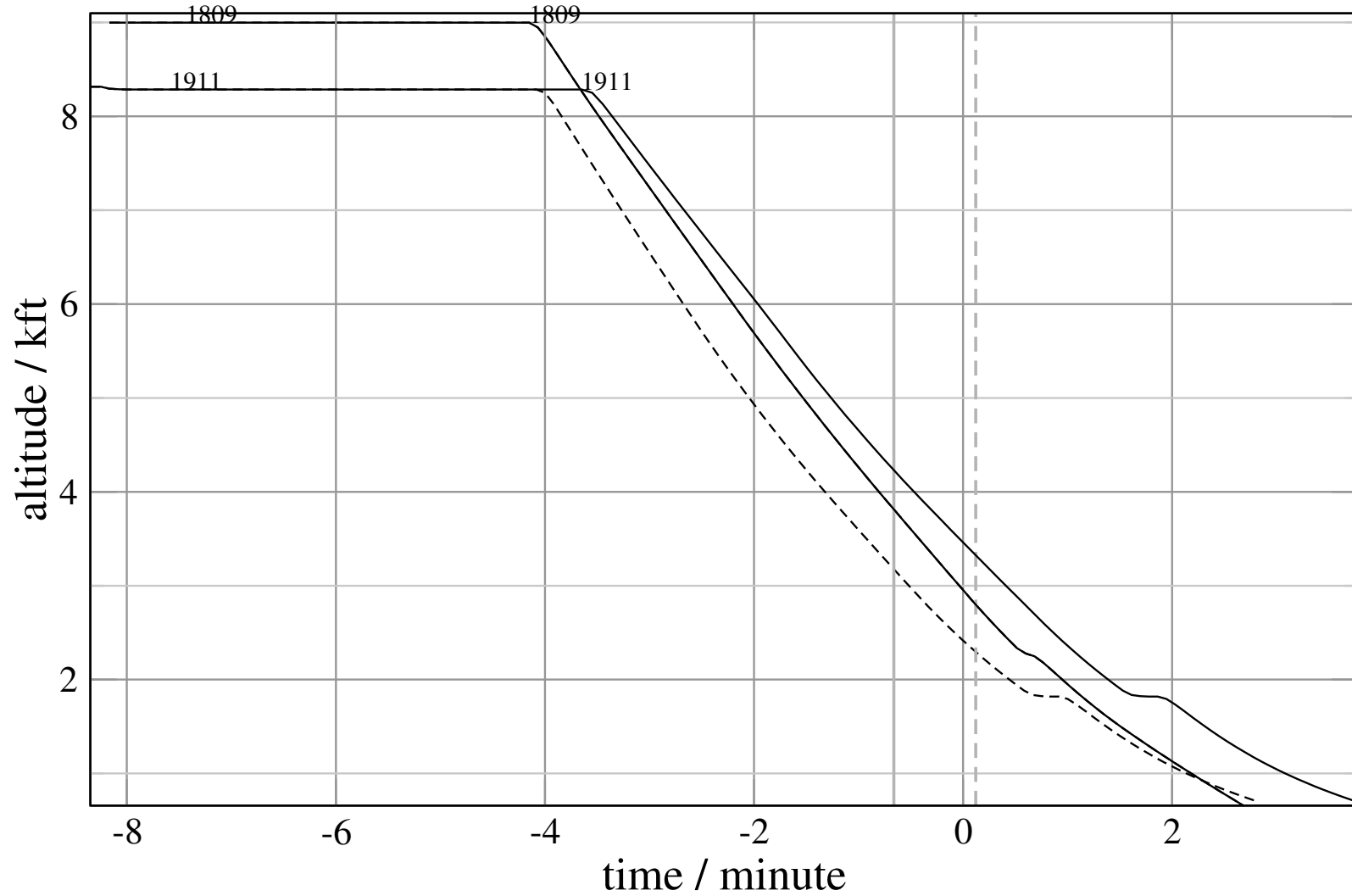
Maneuver Planview

+ A1911E-A1809C 0.369V->1.218H: A1911E speed dec 40 kn (+57 s) 1809-1911-23



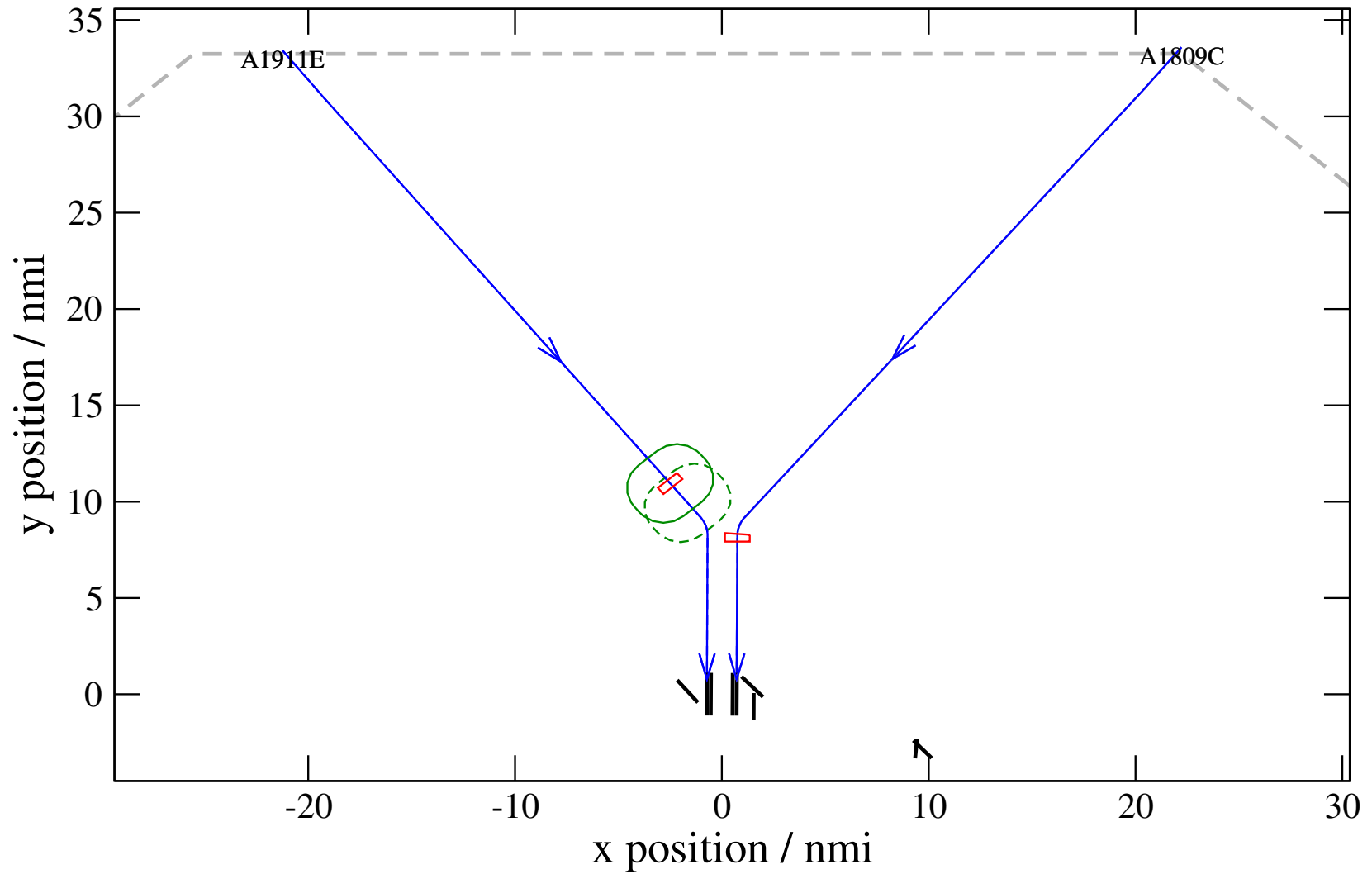
Maneuver Altitude Profiles

+ A1911E-A1809C 0.369V->1.218H: A1911E speed dec 40 kn (+57 s) 1809-1911-23



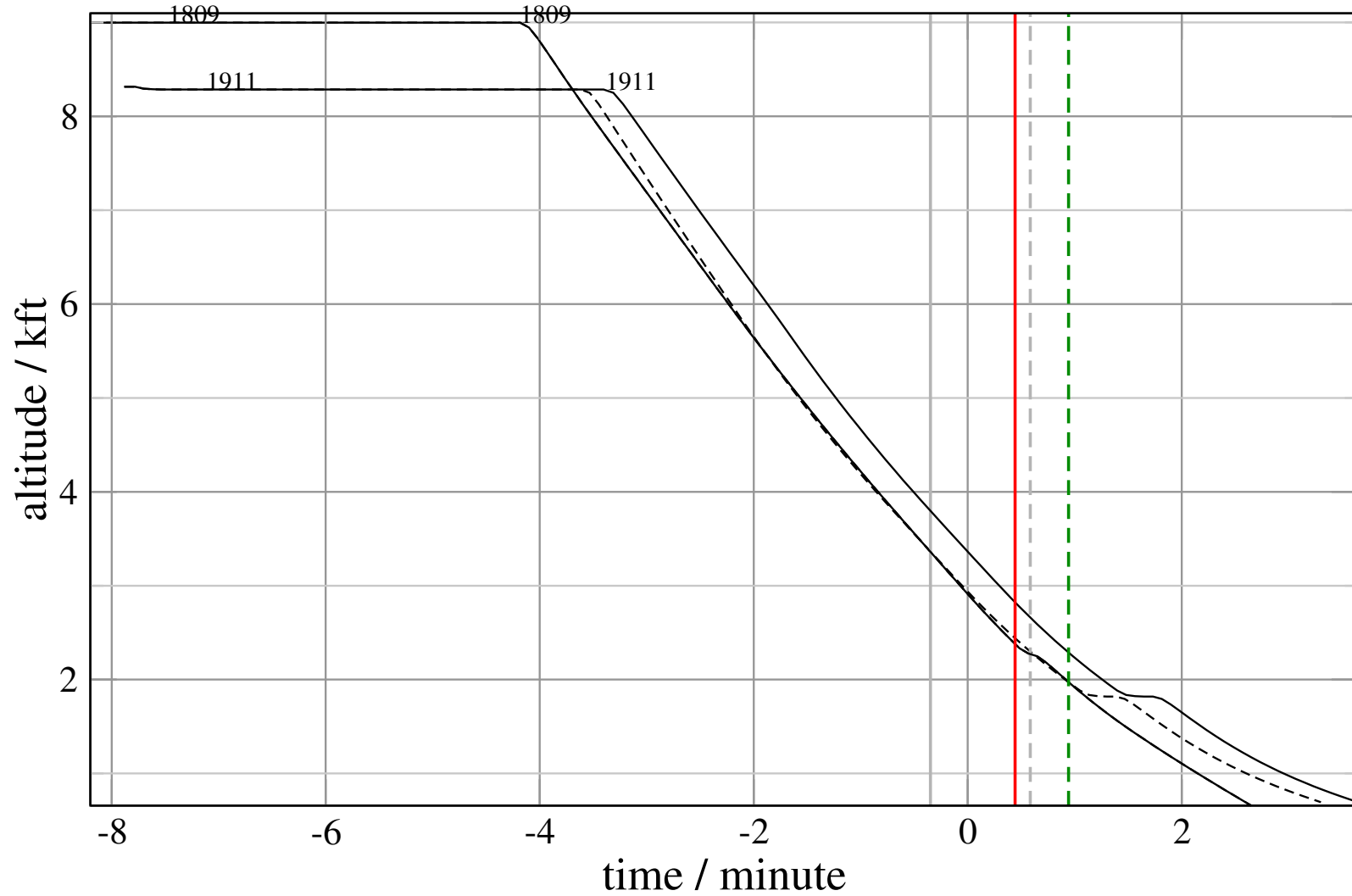
Maneuver Planview

+ A1911E-A1809C 0.719H->1.157H: A1911E speed dec 20 kn (+21 s) 1809-1911-24



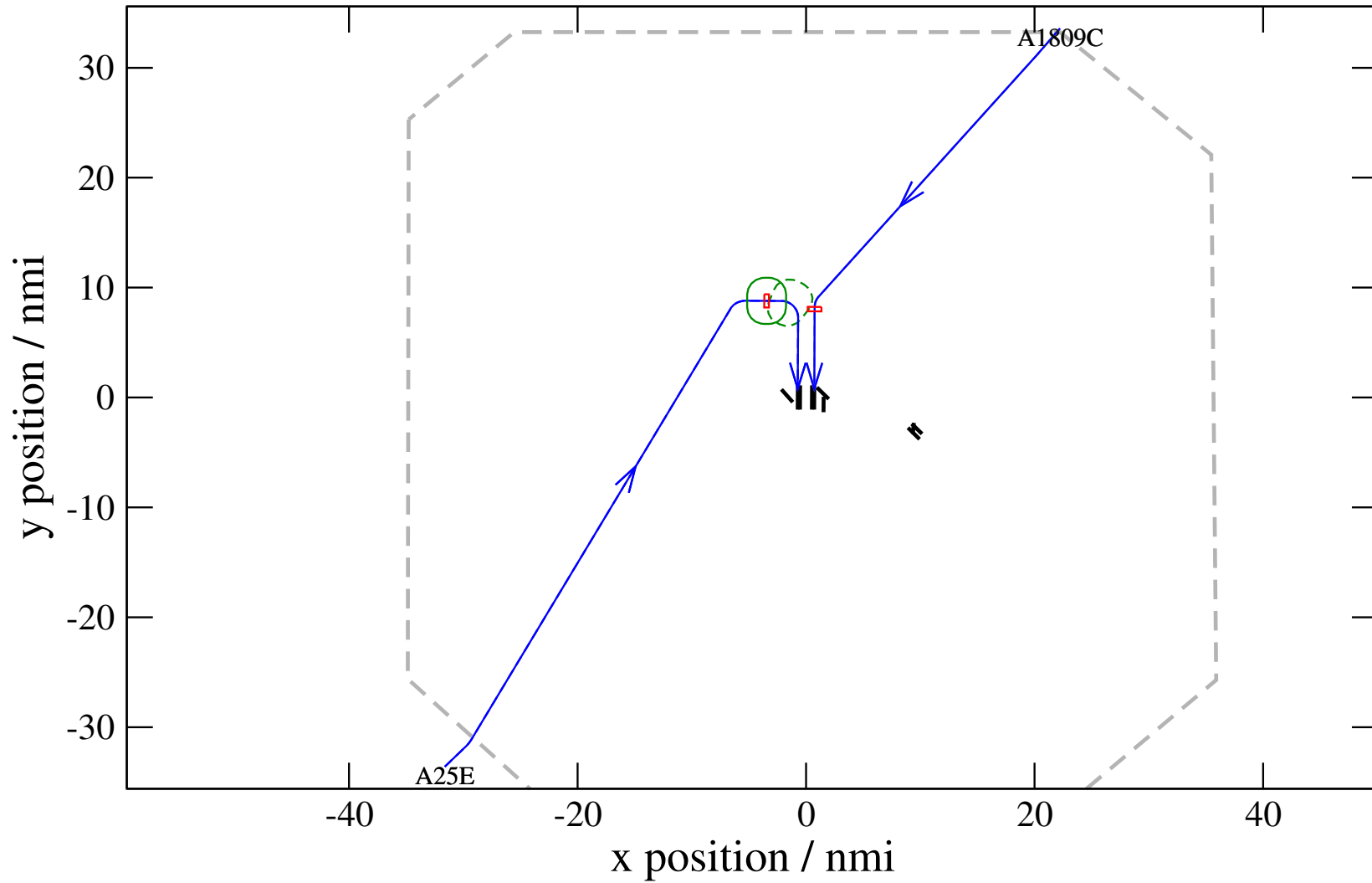
Maneuver Altitude Profiles

+ A1911E-A1809C 0.719H->1.157H: A1911E speed dec 20 kn (+21 s) 1809-1911-24



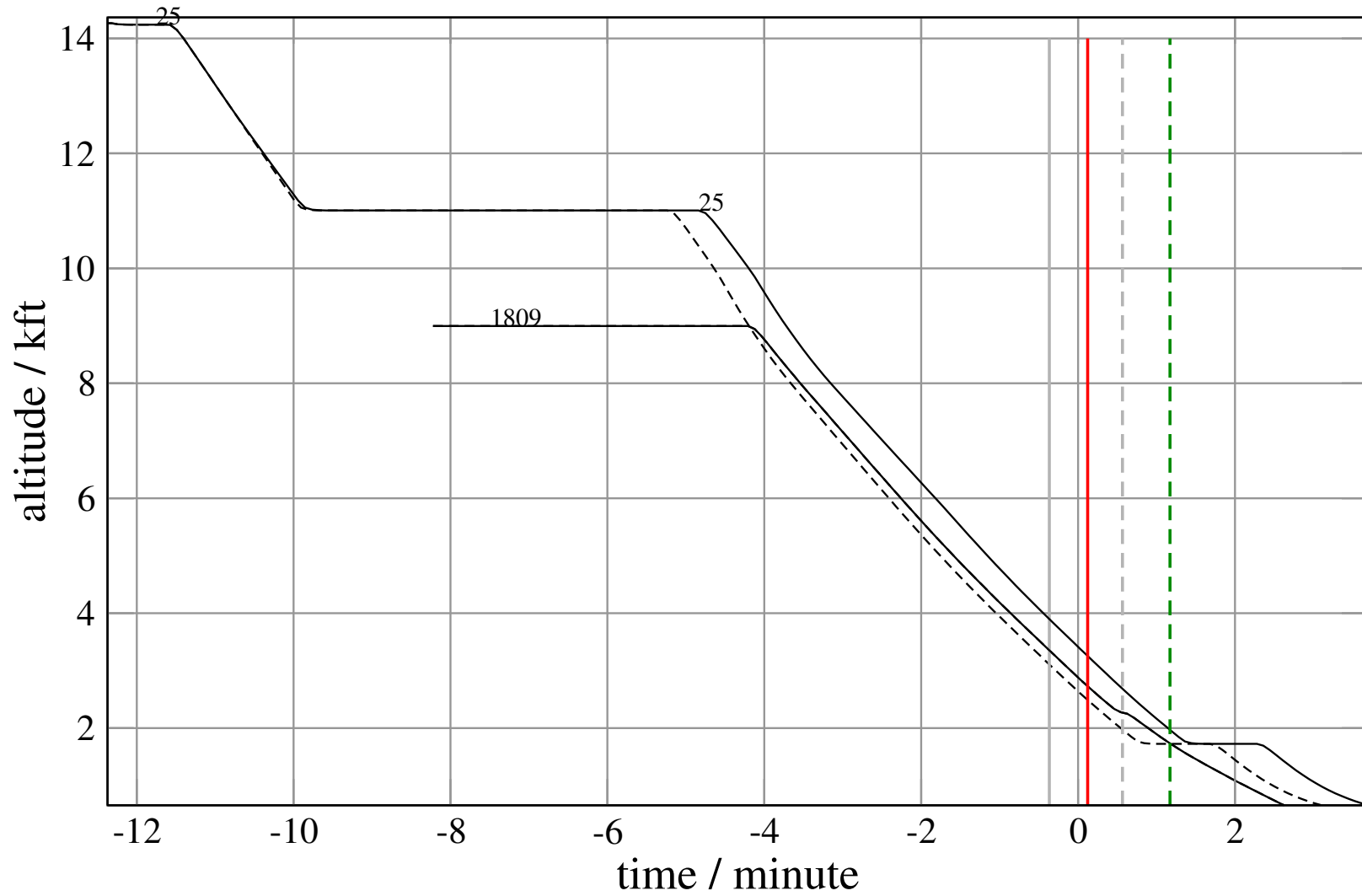
Maneuver Planview

+ A25E-A1809C 0.439H->1.135H: A25E speed dec 18 kn (+36 s) 25-1809-31



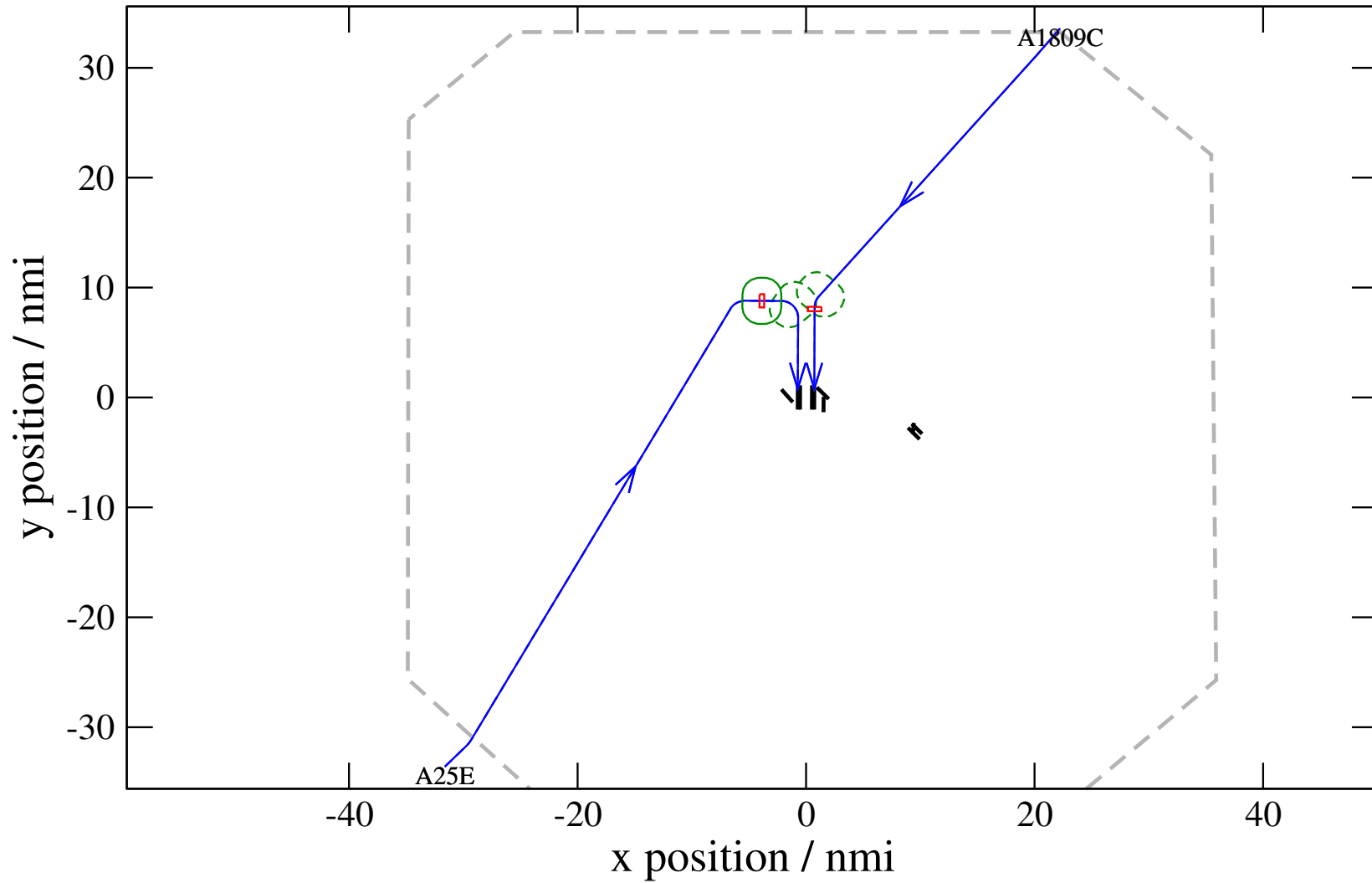
Maneuver Altitude Profiles

+ A25E-A1809C 0.439H->1.135H: A25E speed dec 18 kn (+36 s) 25-1809-31



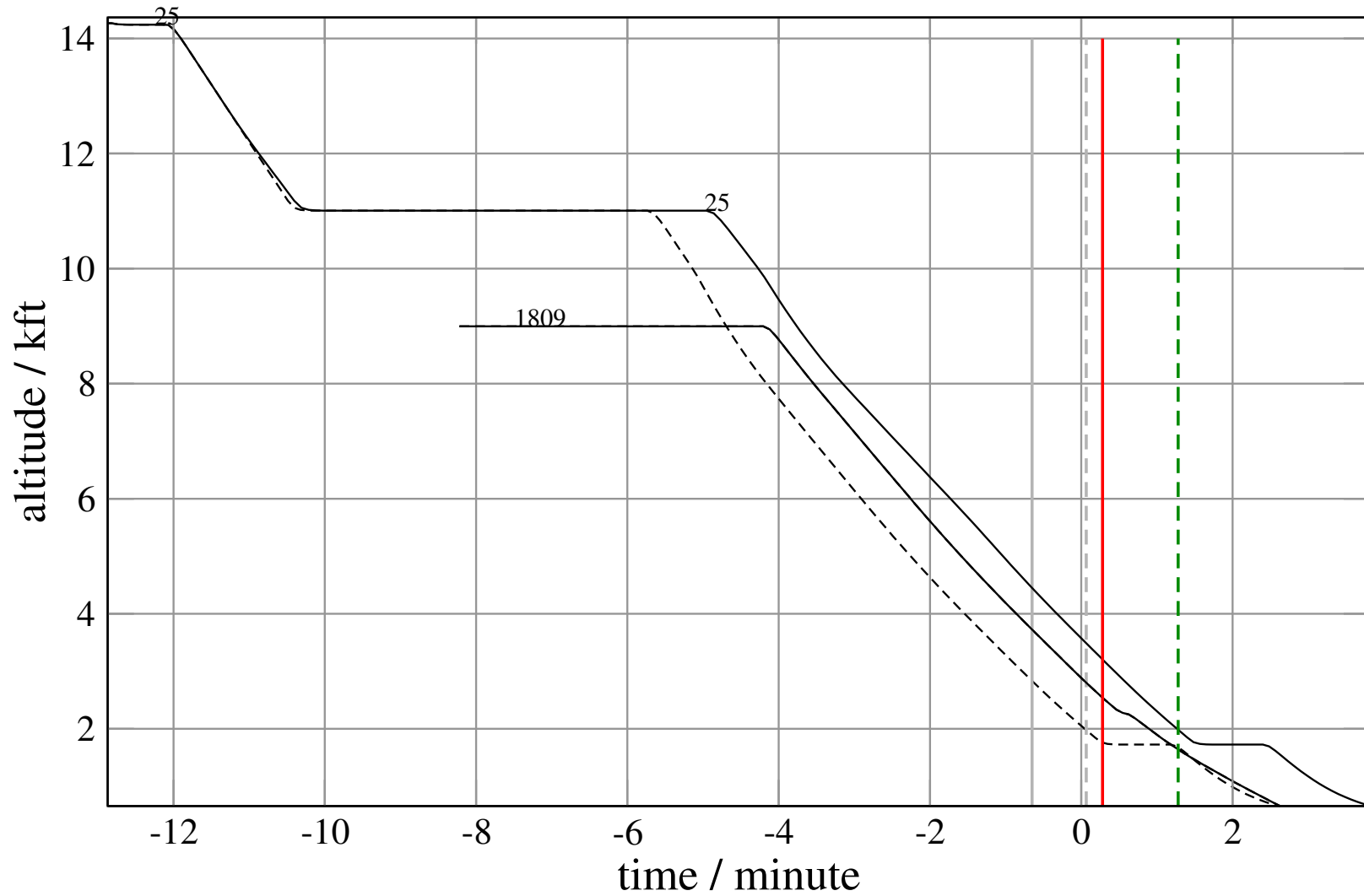
Maneuver Planview

+ A25E-A1809C 0.599V->1.272H: A25E speed dec 33 kn (+73 s) 25-1809-32



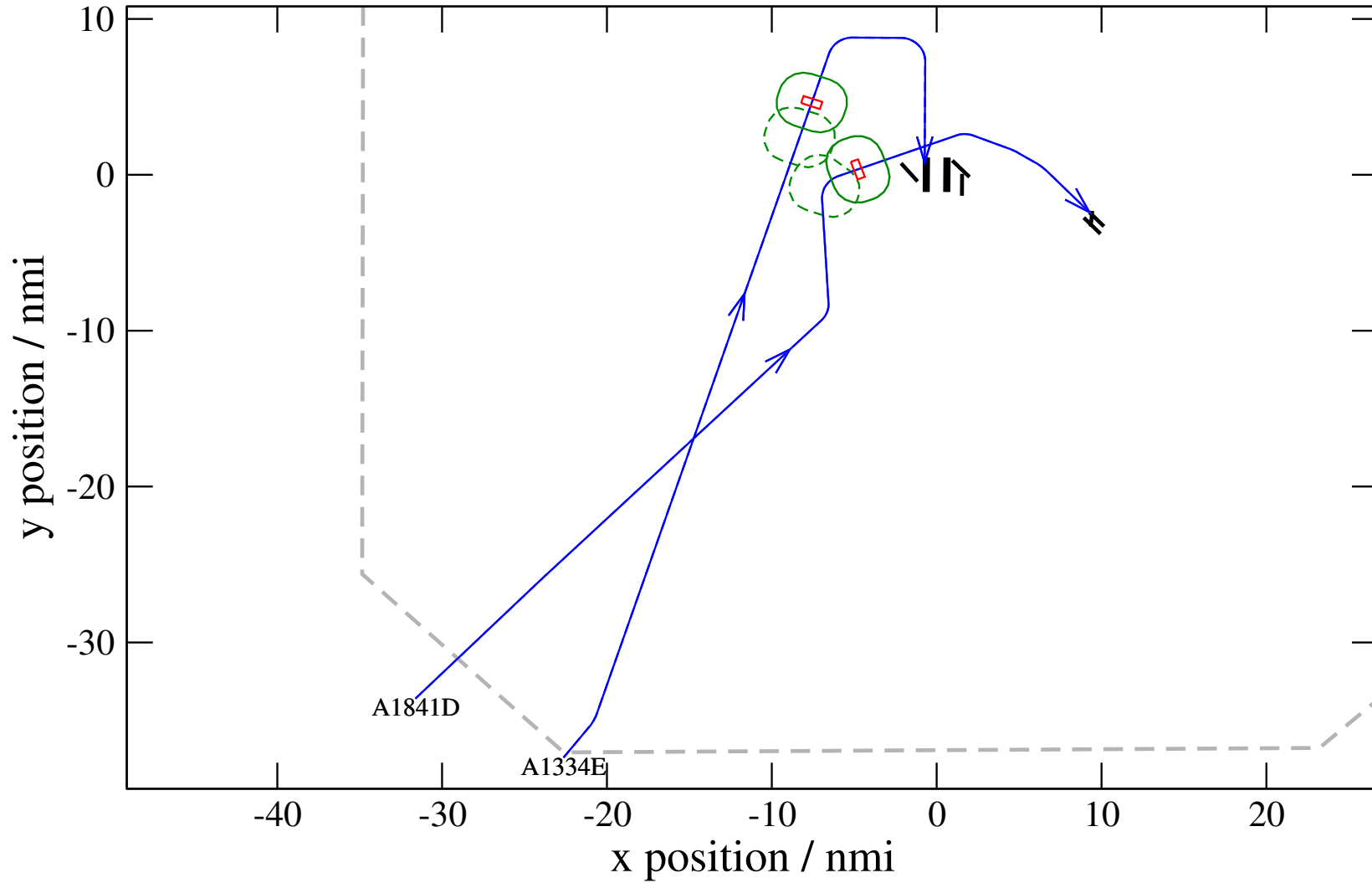
Maneuver Altitude Profiles

+ A25E-A1809C 0.599V->1.272H: A25E speed dec 33 kn (+73 s) 25-1809-32



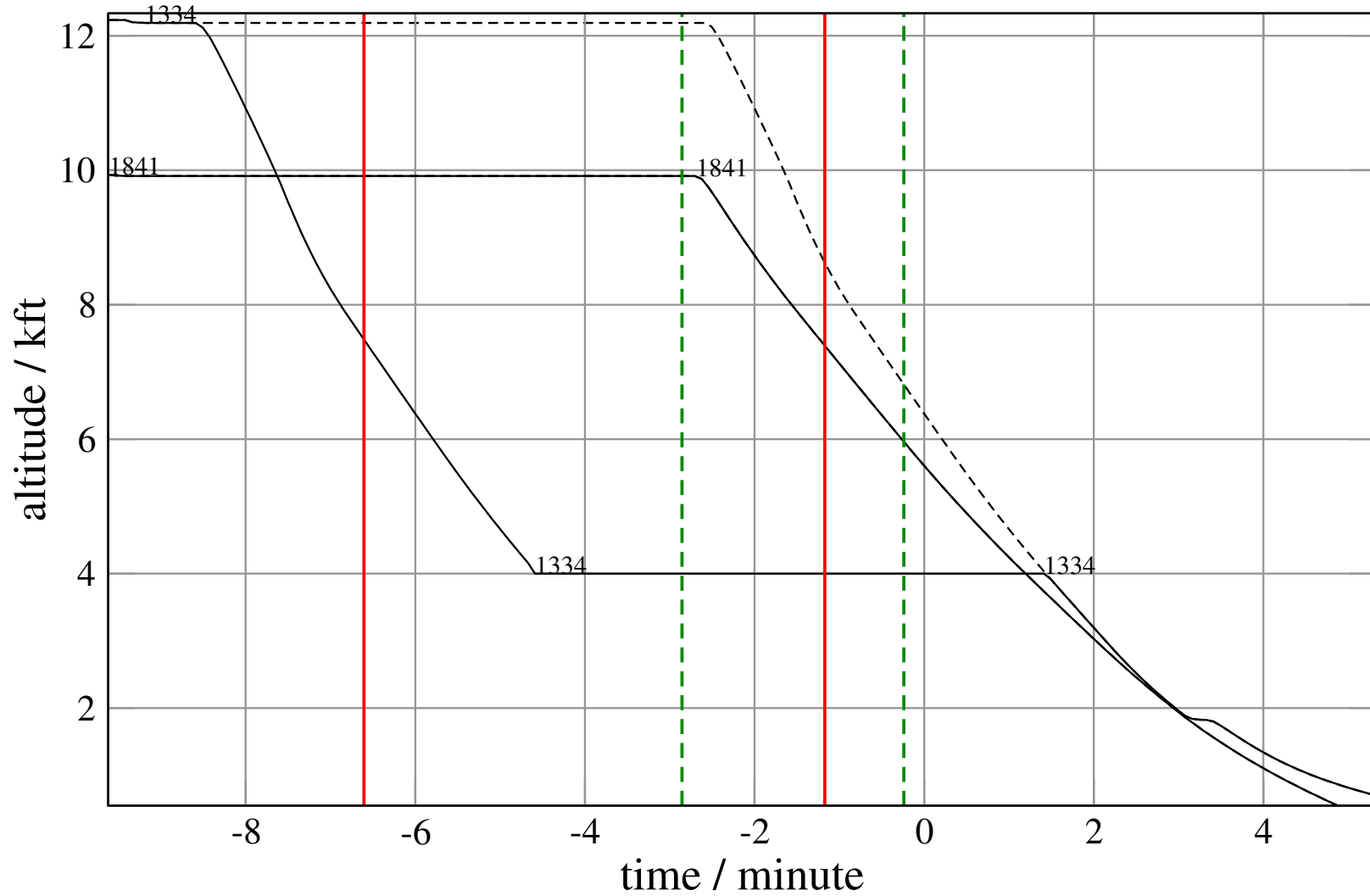
Maneuver Planview

+ A1334E-A1841D 0.771H->1.325H: A1334E temp alt 4.0 kft, 6.0 Min (+0 s) 1334-1841-30



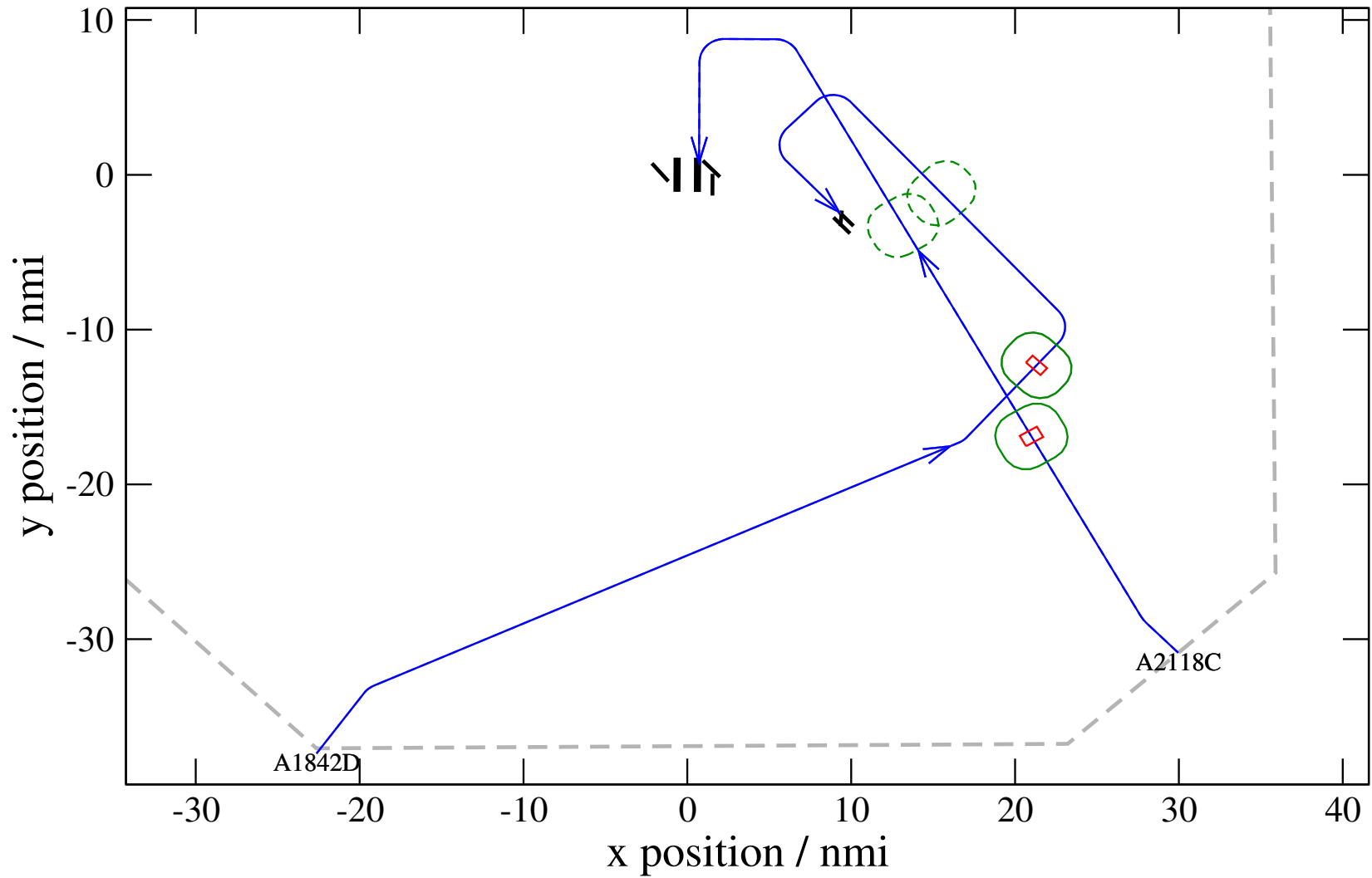
Maneuver Altitude Profiles

+ A1334E-A1841D 0.771H->1.325H: A1334E temp alt 4.0 kft, 6.0 Min (+0 s) 1334-1841-30



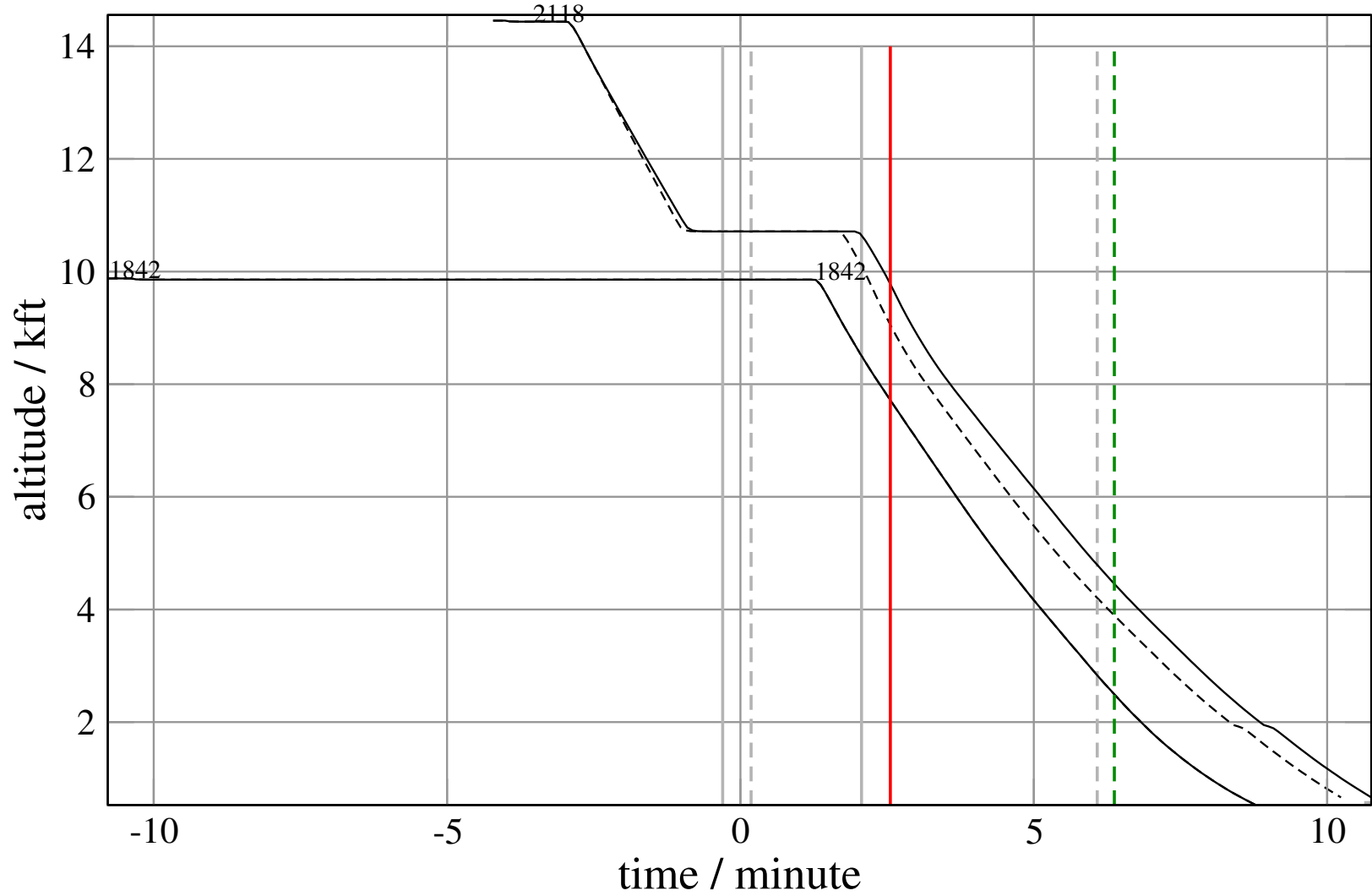
Maneuver Planview

+ A2118C-A1842D 0.648V->1.113H: A2118C speed dec 17 kn (+31 s) 2118-1842-27



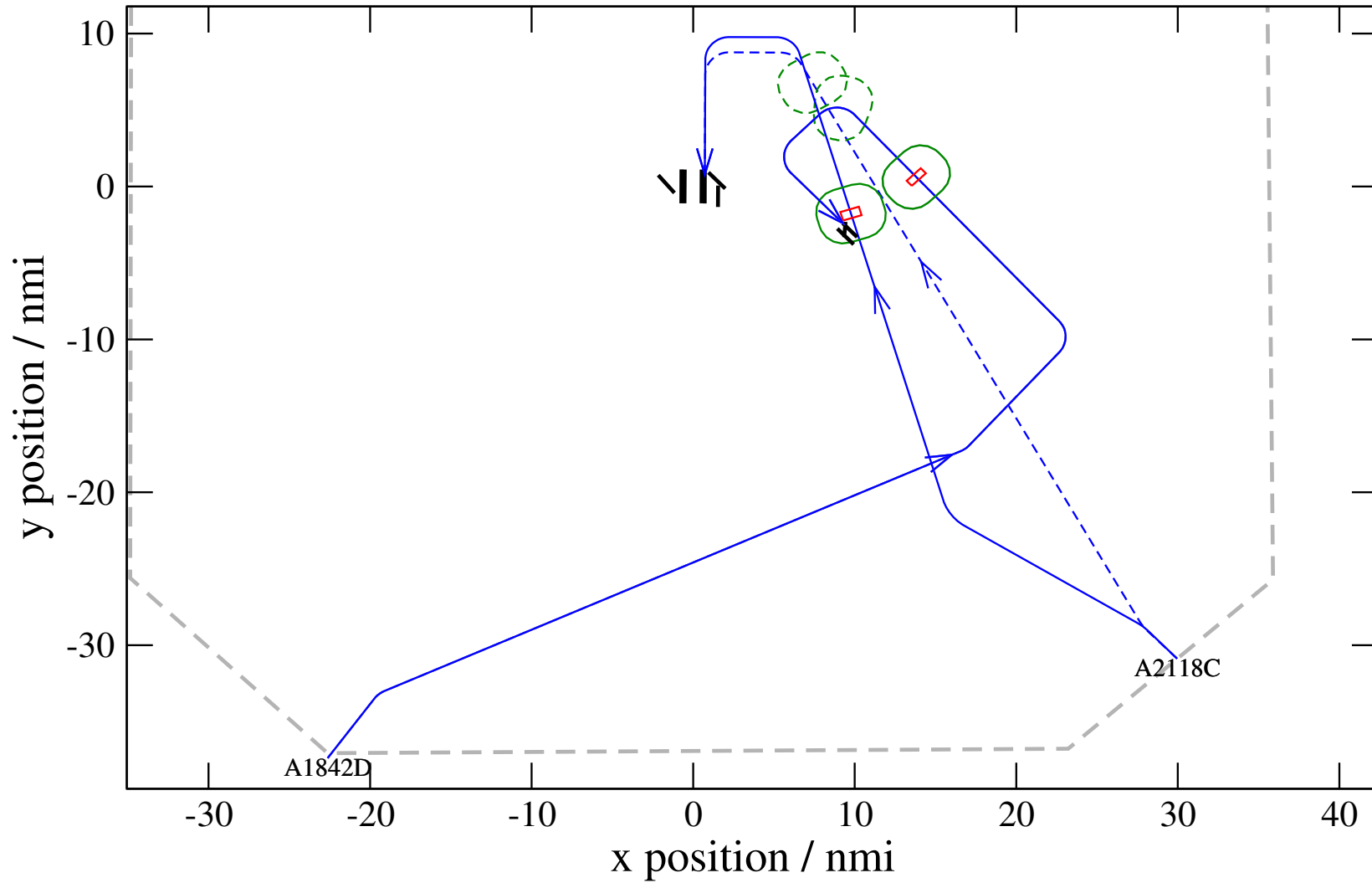
Maneuver Altitude Profiles

+ A2118C-A1842D 0.648V->1.113H: A2118C speed dec 17 kn (+31 s) 2118-1842-27



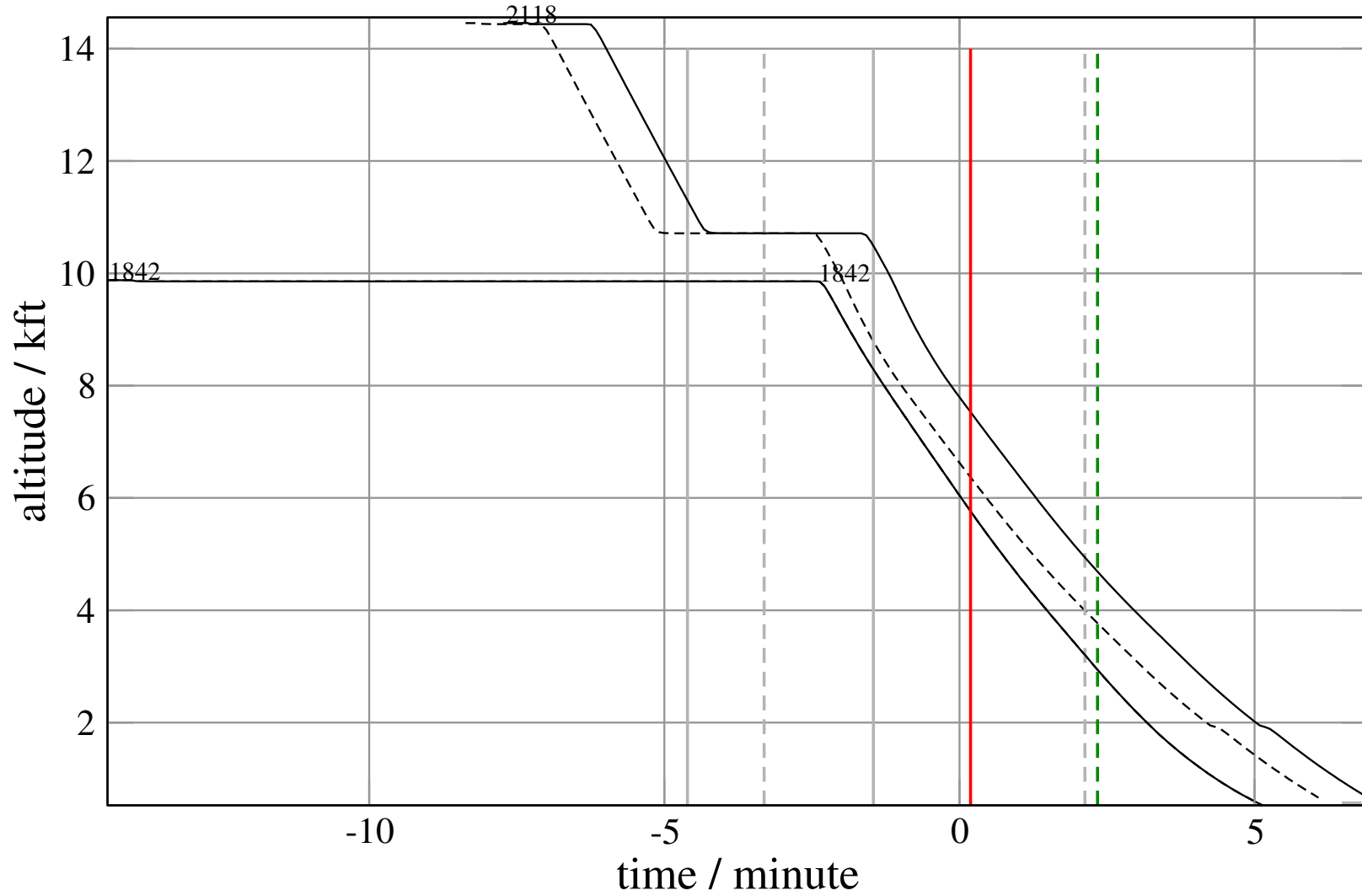
Maneuver Planview

+ A2118C-A1842D 0.516H->1.182V: A2118C reroute -30 deg, 14 nm, 9 nm (+50 s) 2118-1842-28



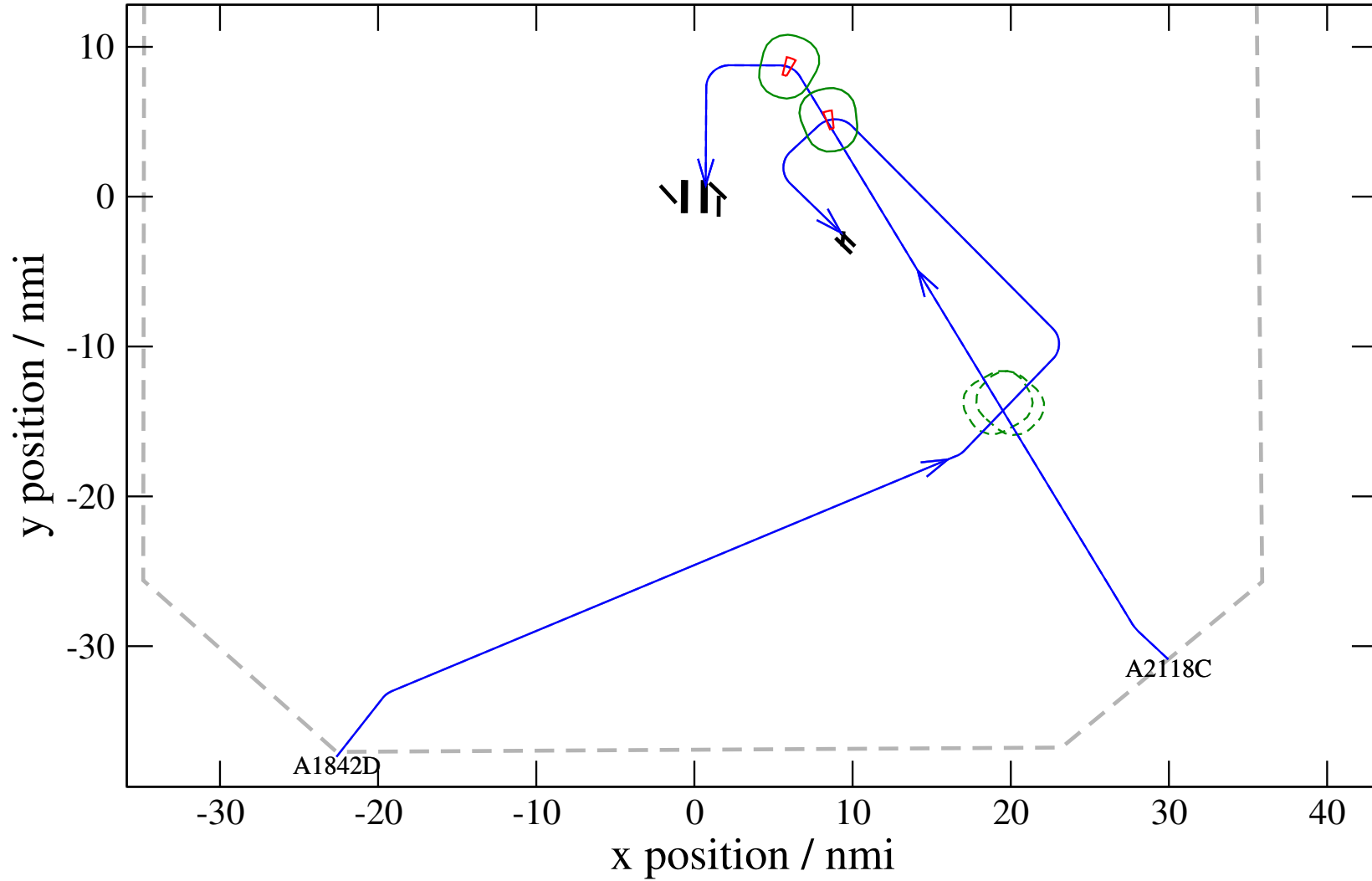
Maneuver Altitude Profiles

+ A2118C-A1842D 0.516H->1.182V: A2118C reroute -30 deg, 14 nm, 9 nm (+50 s) 2118-1842-28



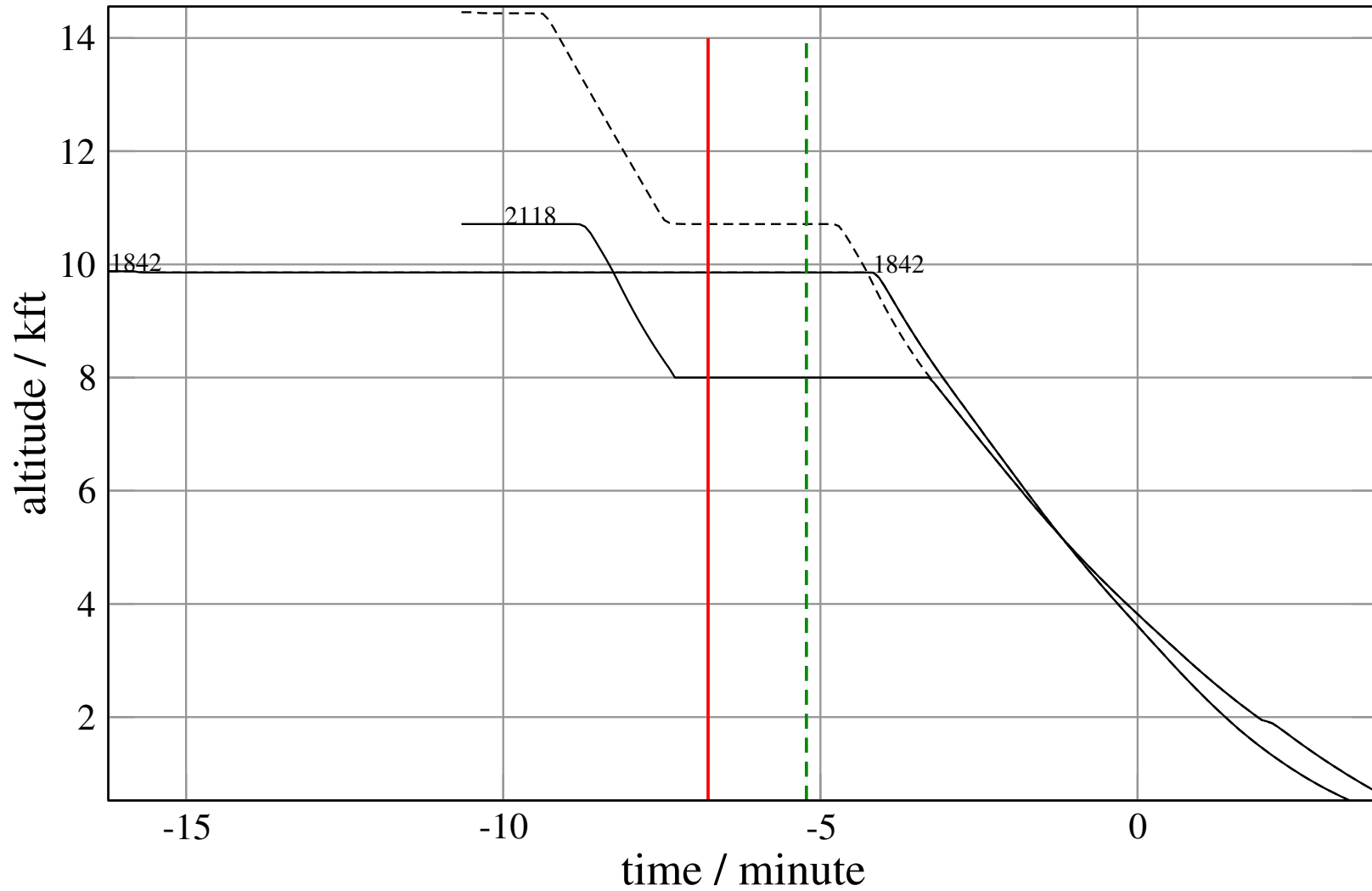
Maneuver Planview

+ A2118C-A1842D 0.856V->1.120H: A2118C temp alt 8.0 kft, 4.0 Min (+0 s) 2118-1842-29



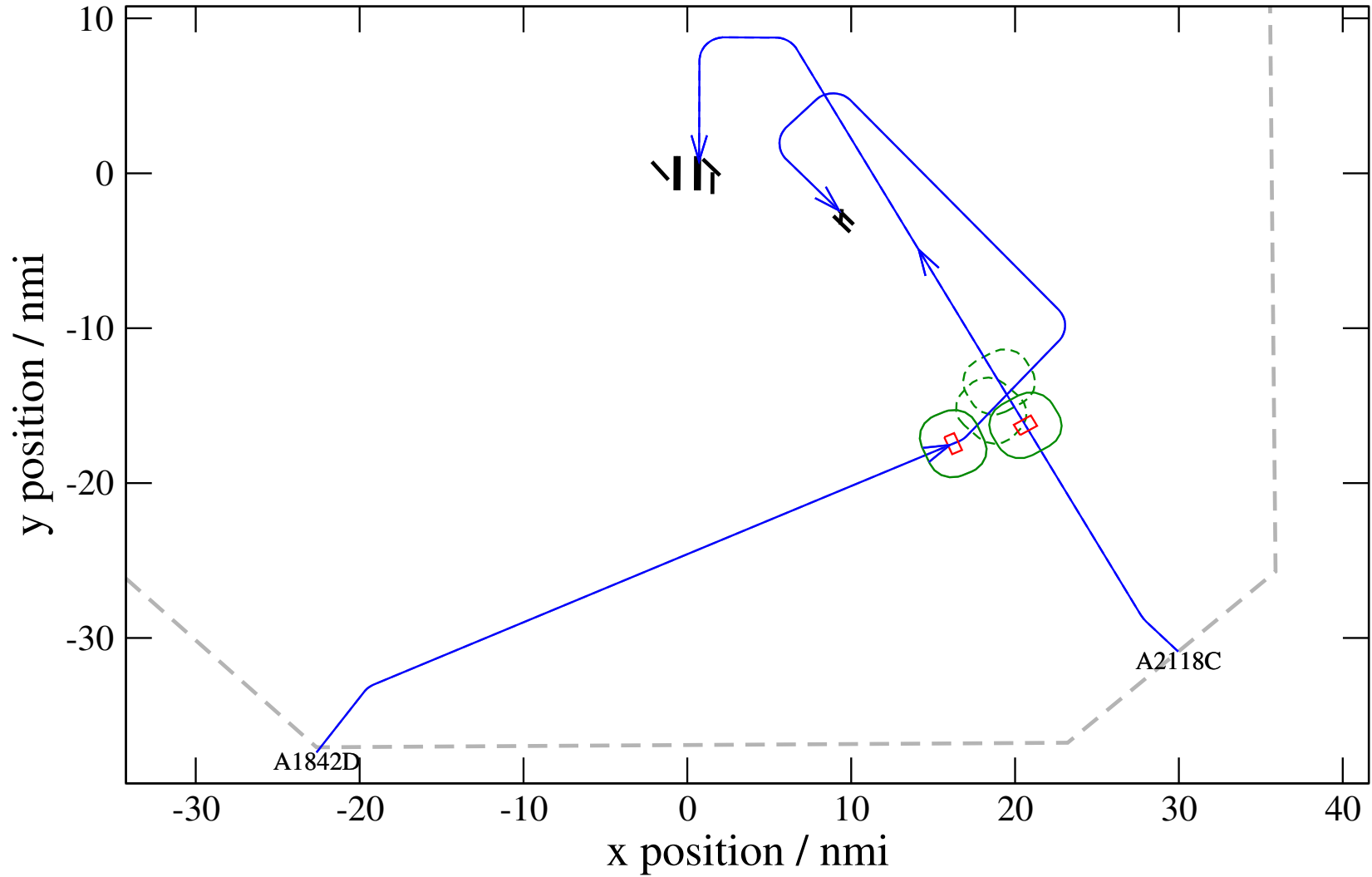
Maneuver Altitude Profiles

+ A2118C-A1842D 0.856V->1.120H: A2118C temp alt 8.0 kft, 4.0 Min (+0 s) 2118-1842-29



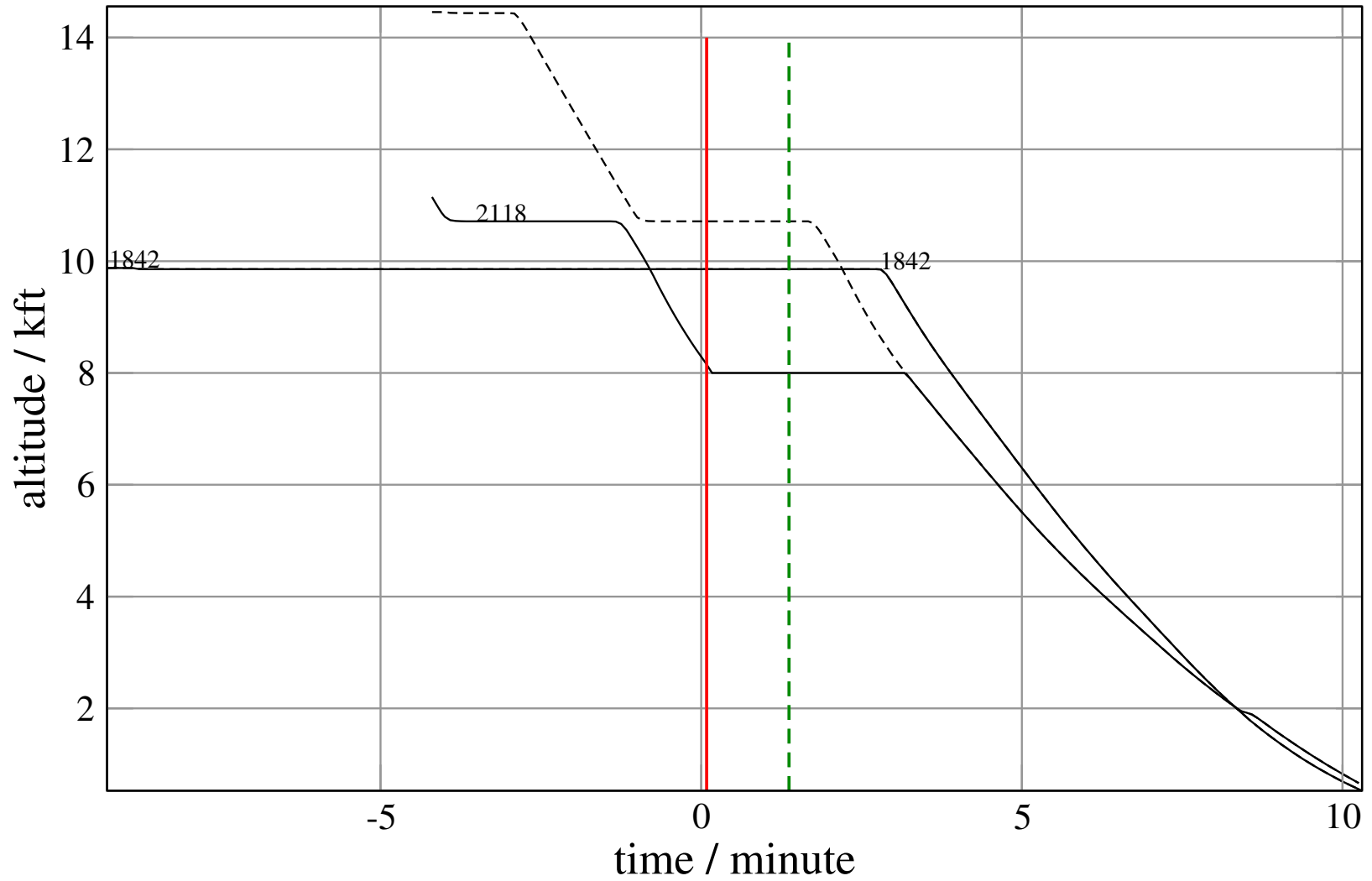
Maneuver Planview

+ A2118C-A1842D 0.856V->1.237V: A2118C temp alt 8.0 kft, 3.0 Min (+0 s) 2118-1842-30



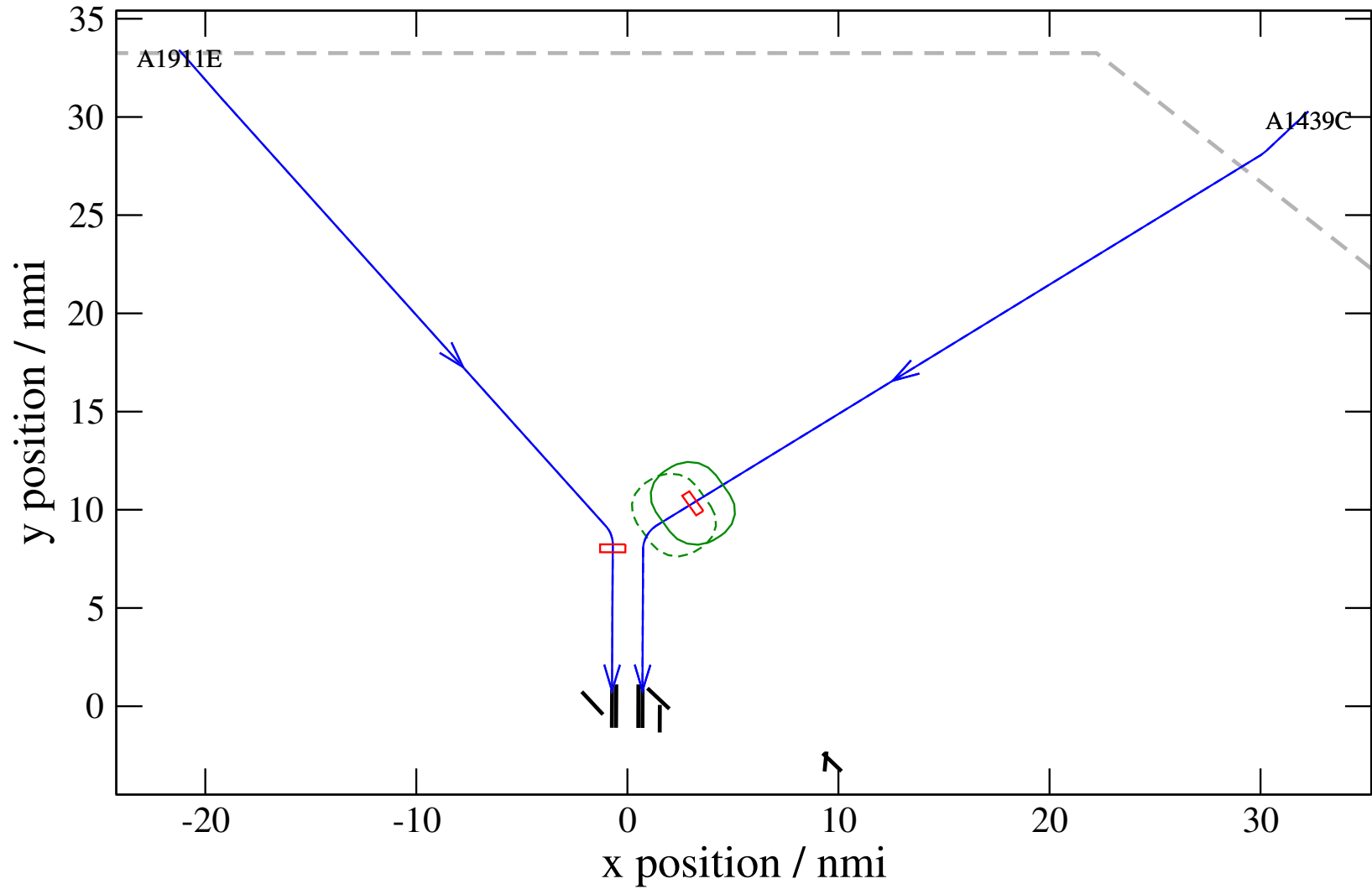
Maneuver Altitude Profiles

+ A2118C-A1842D 0.856V->1.237V: A2118C temp alt 8.0 kft, 3.0 Min (+0 s) 2118-1842-30



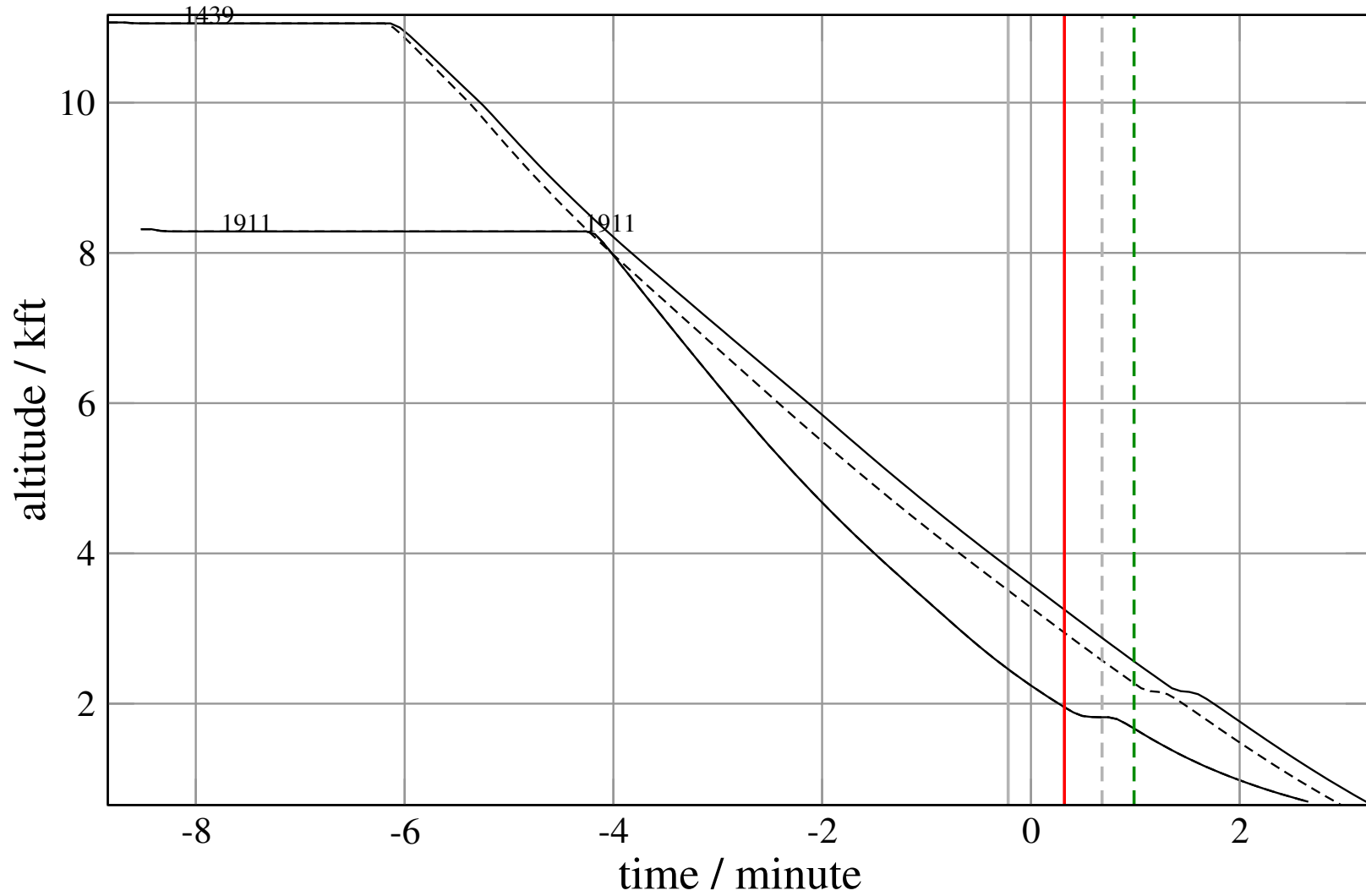
Maneuver Planview

+ A1439C-A1911E 0.868V->1.203H: A1439C speed dec 15 kn (+18 s) 1439-1911-24



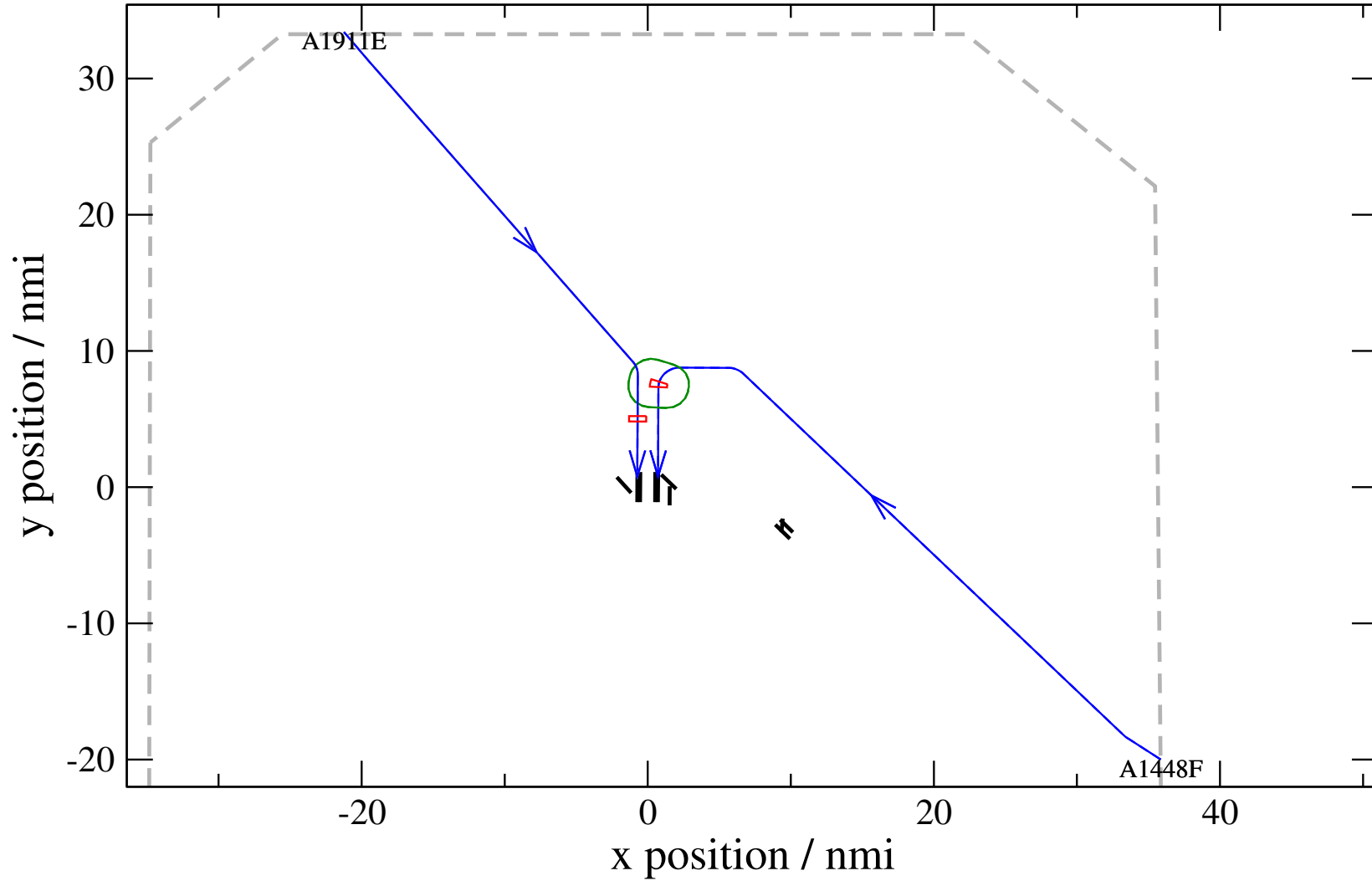
Maneuver Altitude Profiles

+ A1439C-A1911E 0.868V->1.203H: A1439C speed dec 15 kn (+18 s) 1439-1911-24



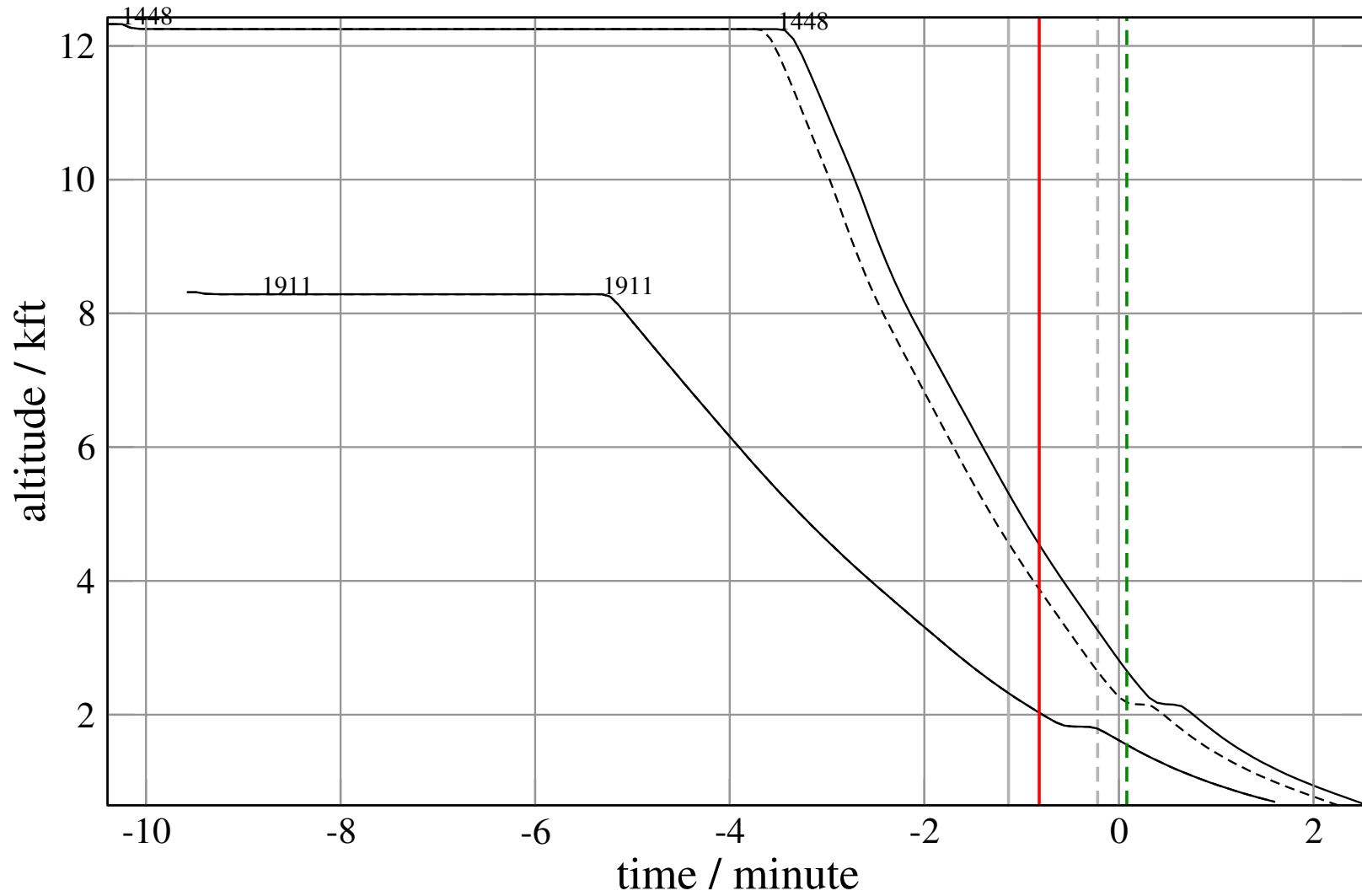
Maneuver Planview

+ A1448F-A1911E 0.804V->1.162H: A1448F speed dec 10 kn (+18 s) 1448-1911-25



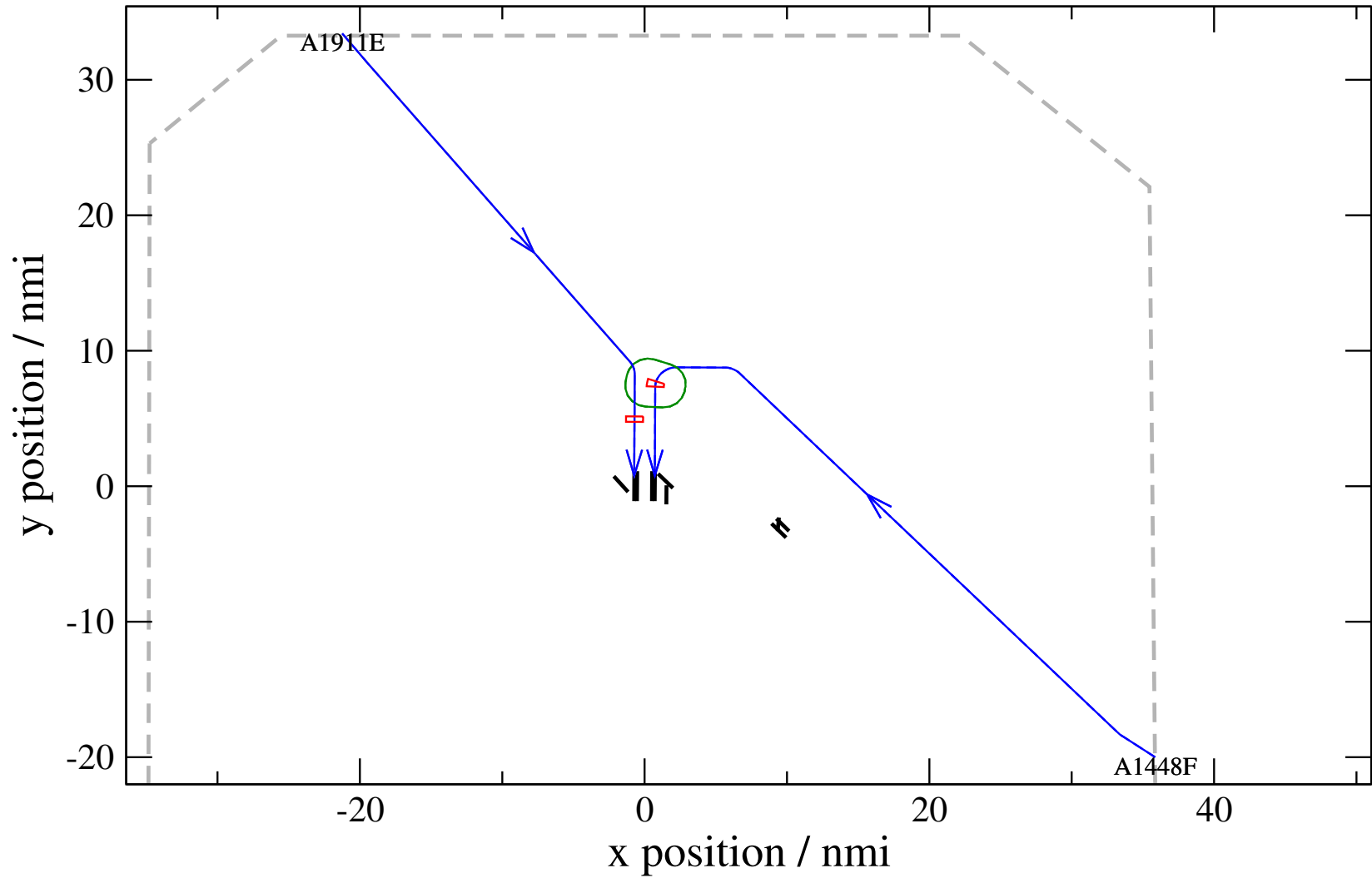
Maneuver Altitude Profiles

+ A1448F-A1911E 0.804V->1.162H: A1448F speed dec 10 kn (+18 s) 1448-1911-25



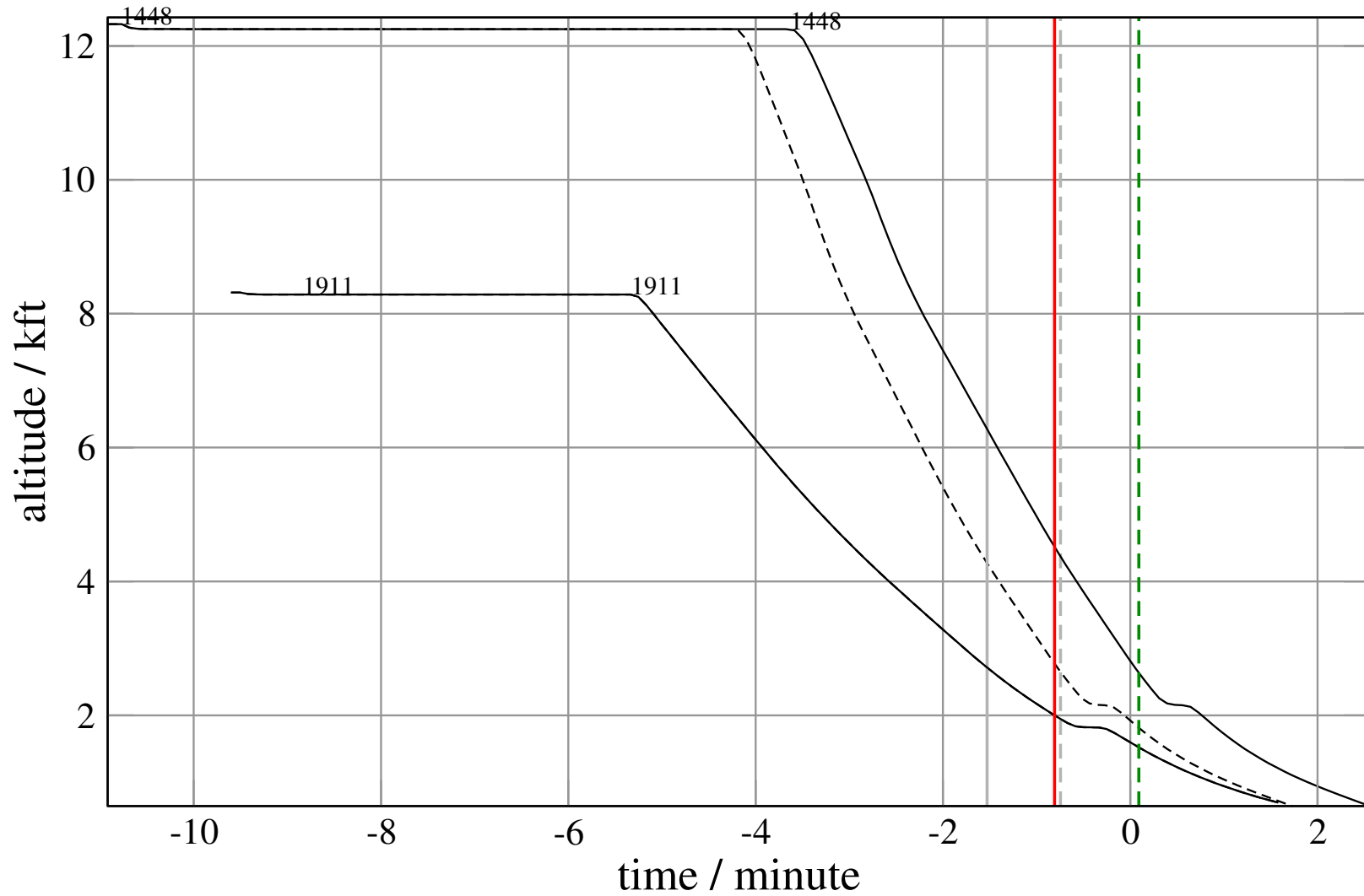
Maneuver Planview

+ A1448F-A1911E 0.555V->1.190H: A1448F speed dec 25 kn (+50 s) 1448-1911-26



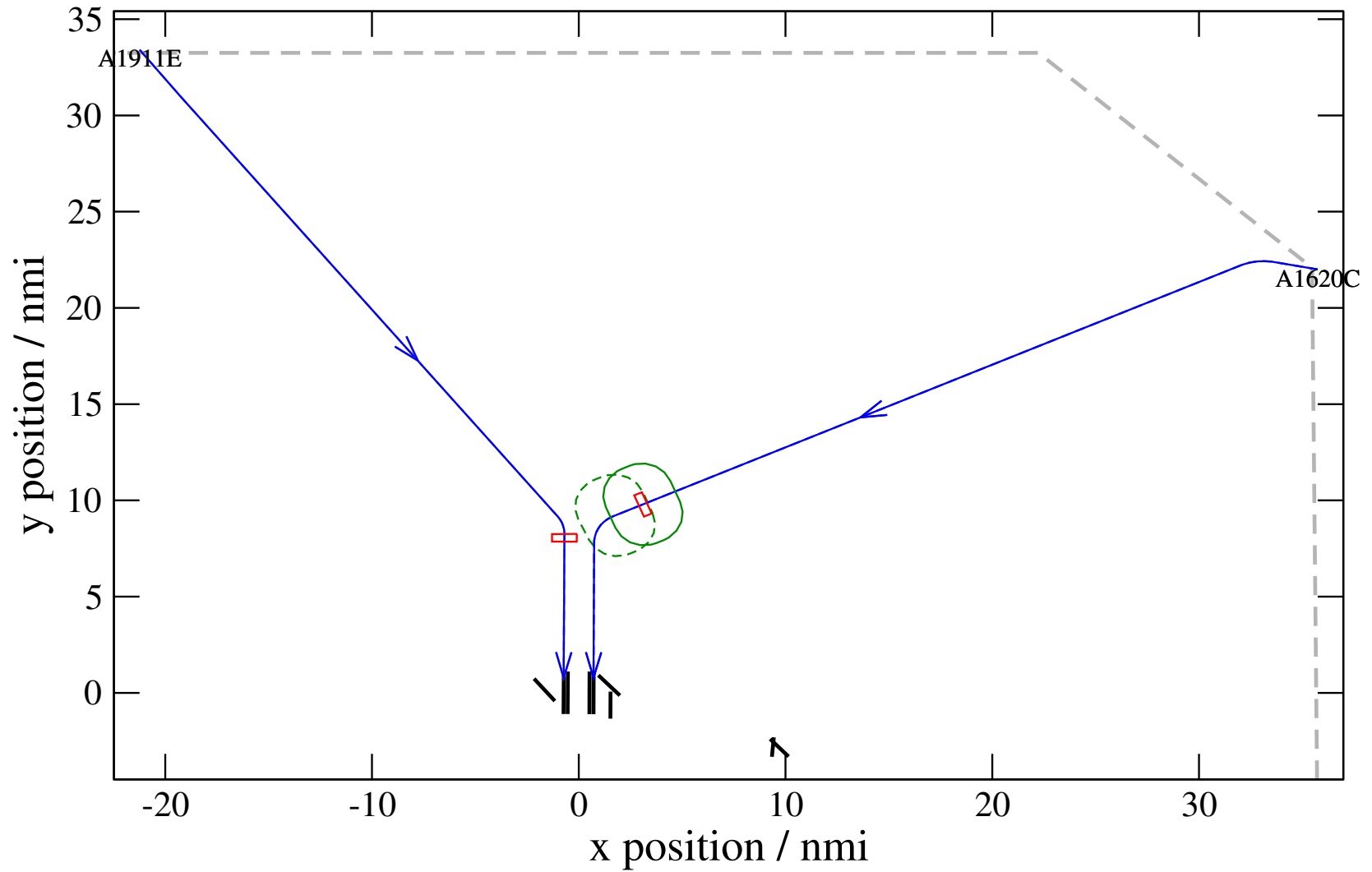
Maneuver Altitude Profiles

+ A1448F-A1911E 0.555V->1.190H: A1448F speed dec 25 kn (+50 s) 1448-1911-26



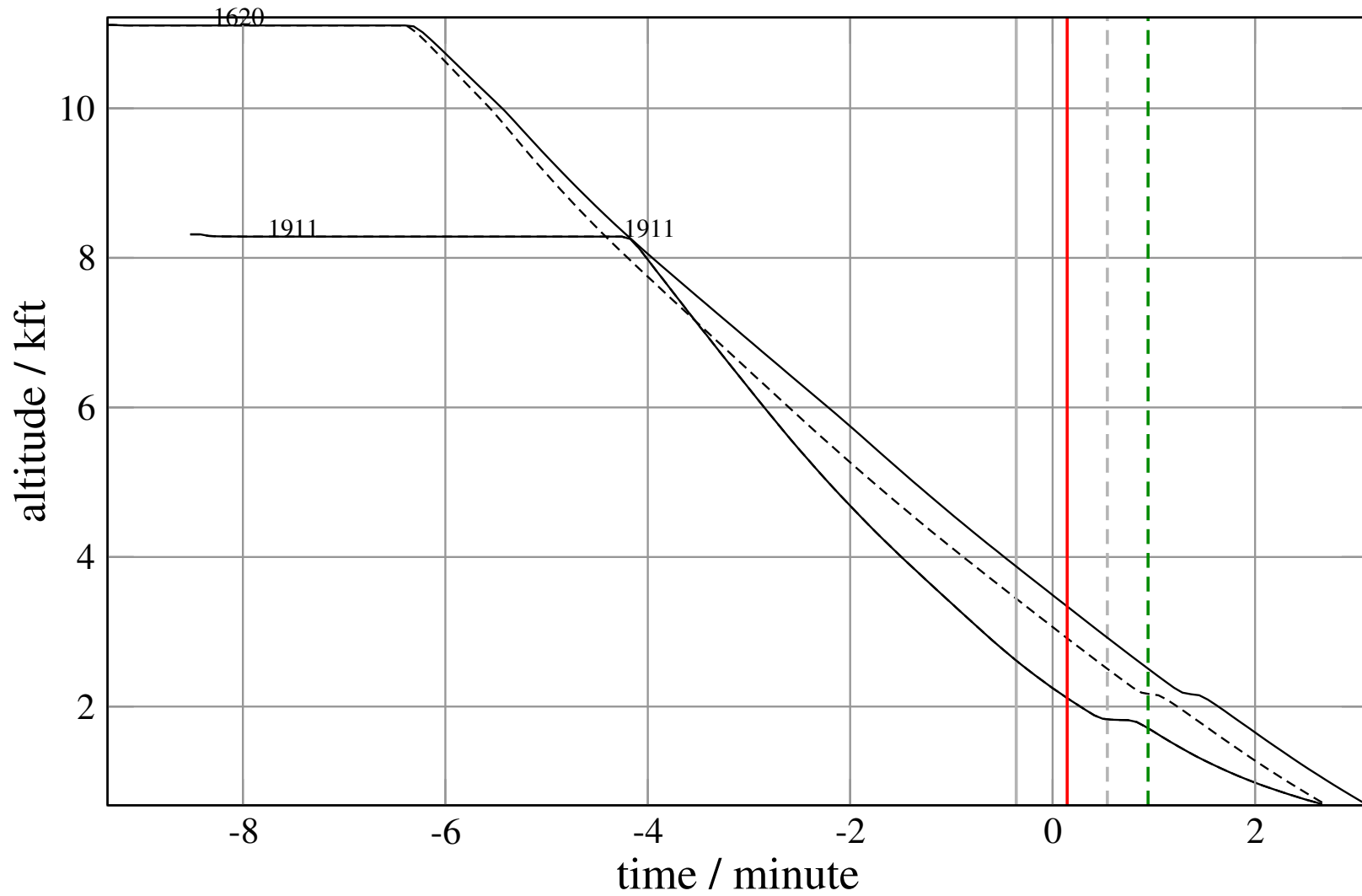
Maneuver Planview

+ A1620C-A1911E 0.647V->1.114H: A1620C speed dec 21 kn (+24 s) 1620-1911-25



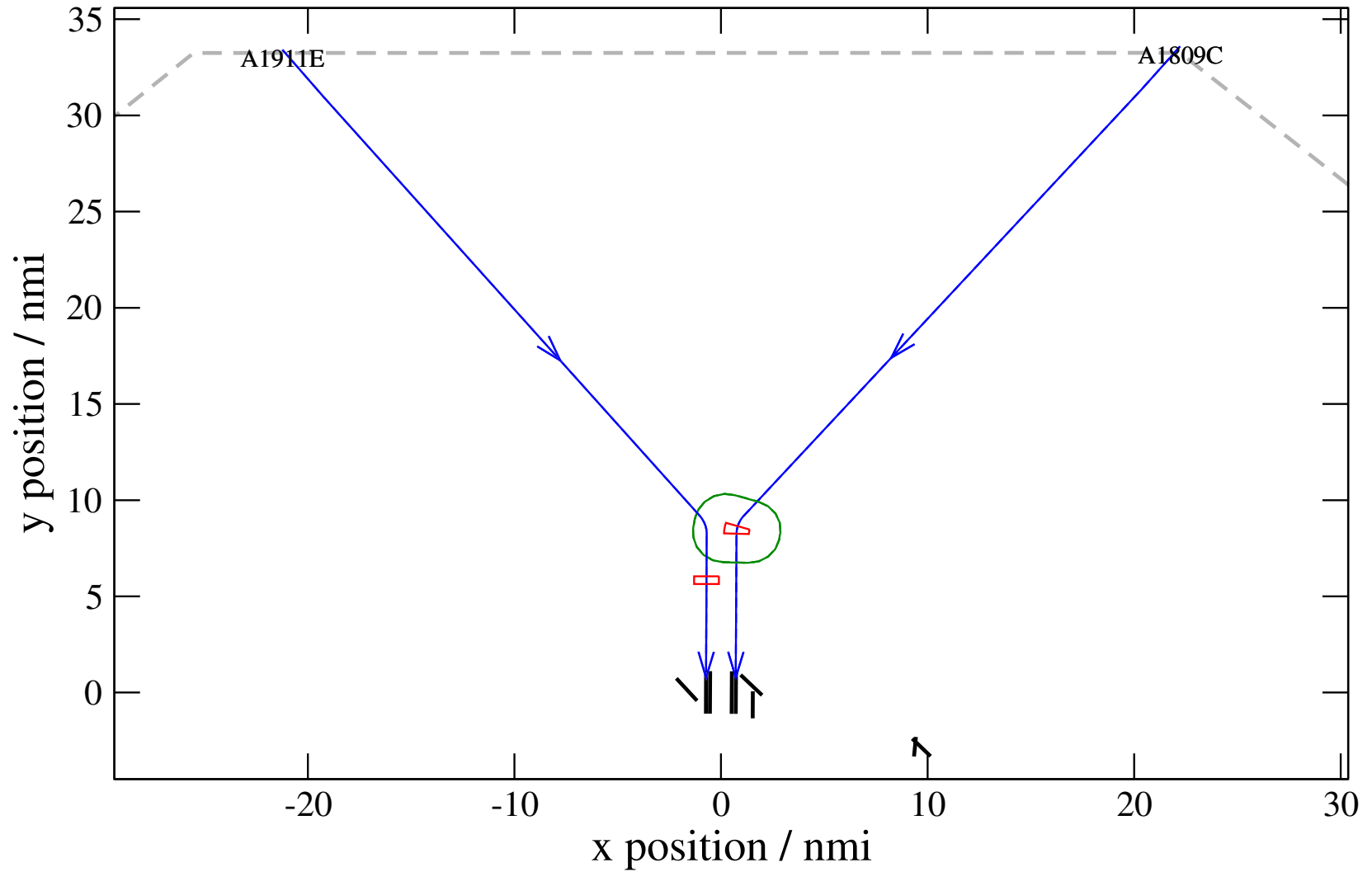
Maneuver Altitude Profiles

+ A1620C-A1911E 0.647V->1.114H: A1620C speed dec 21 kn (+24 s) 1620-1911-25



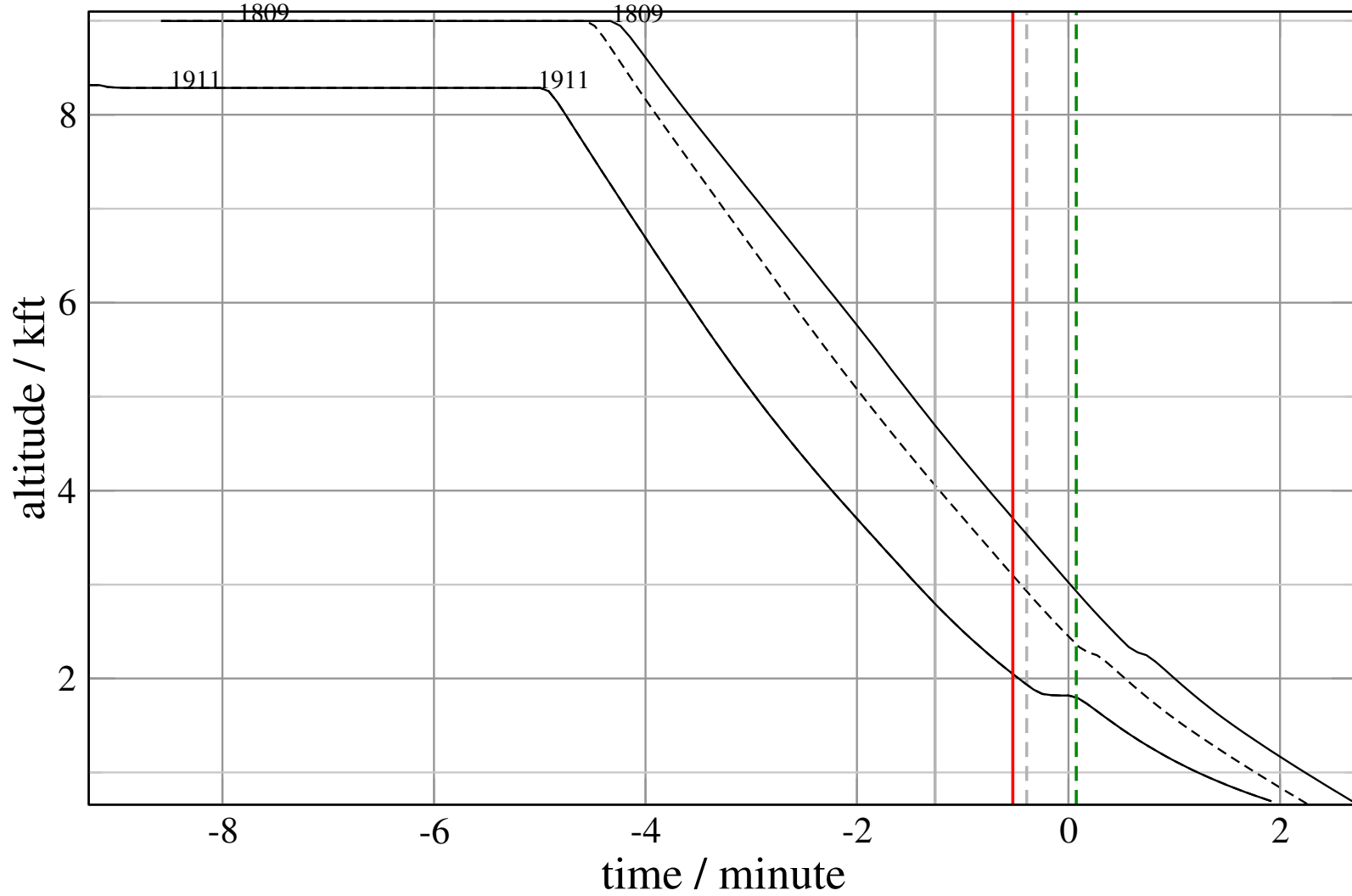
Maneuver Planview

+ A1809C-A1911E 0.852V->1.194H: A1809C speed dec 25 kn (+28 s) 1809-1911-22



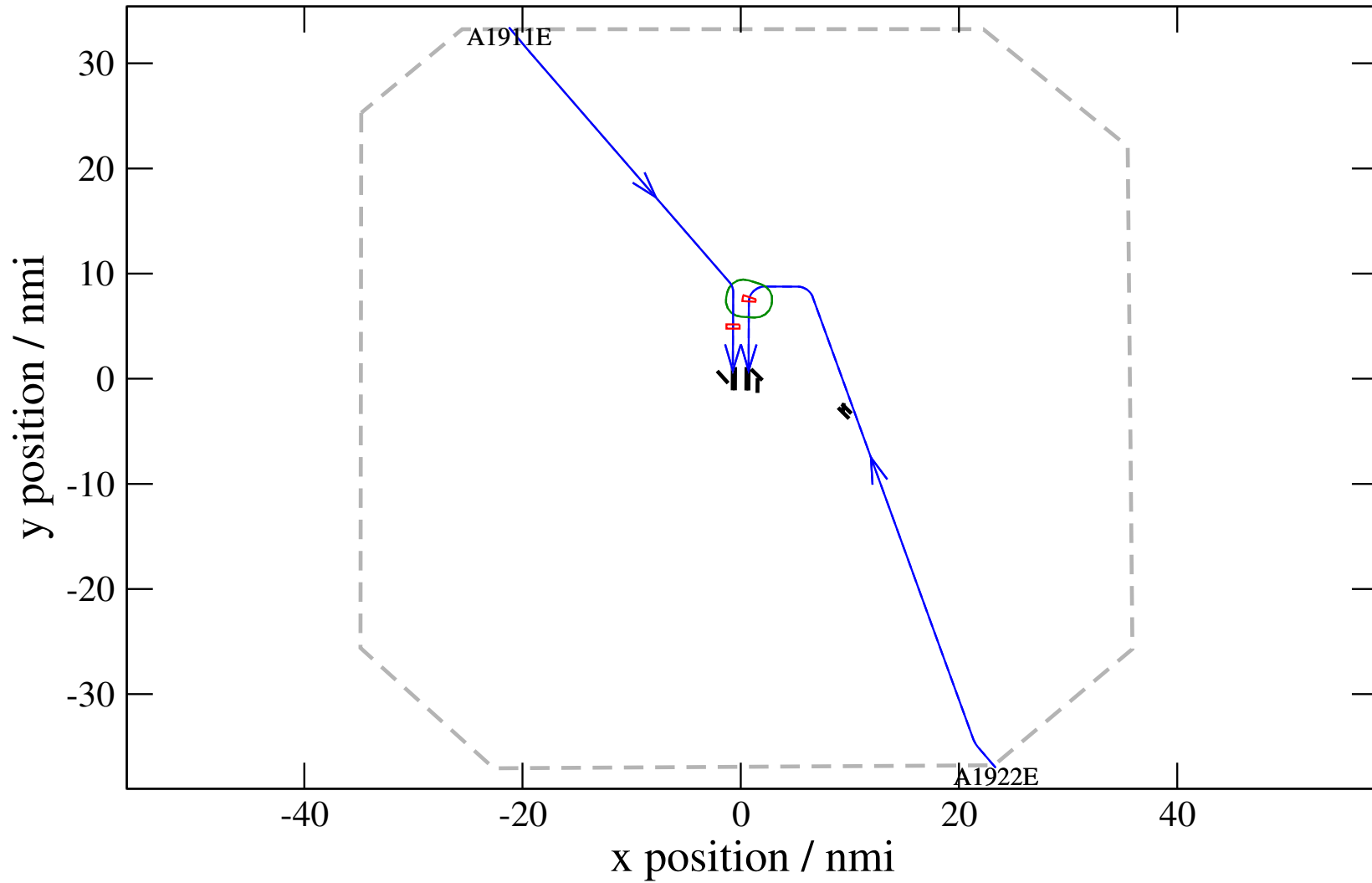
Maneuver Altitude Profiles

+ A1809C-A1911E 0.852V->1.194H: A1809C speed dec 25 kn (+28 s) 1809-1911-22



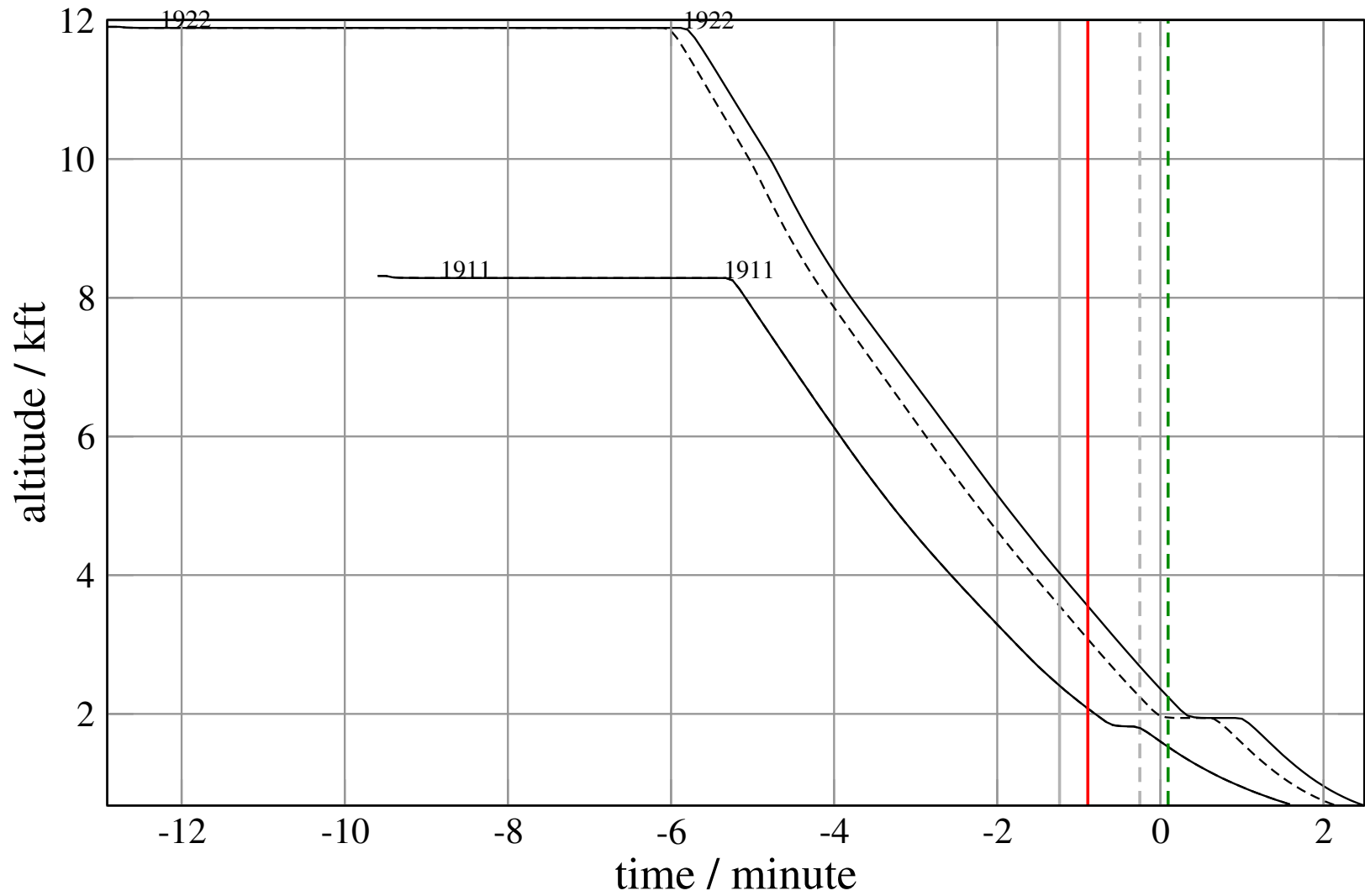
Maneuver Planview

+ A1922E-A1911E 0.782H->1.189H: A1922E speed dec 10 kn (+21 s) 1922-1911-30



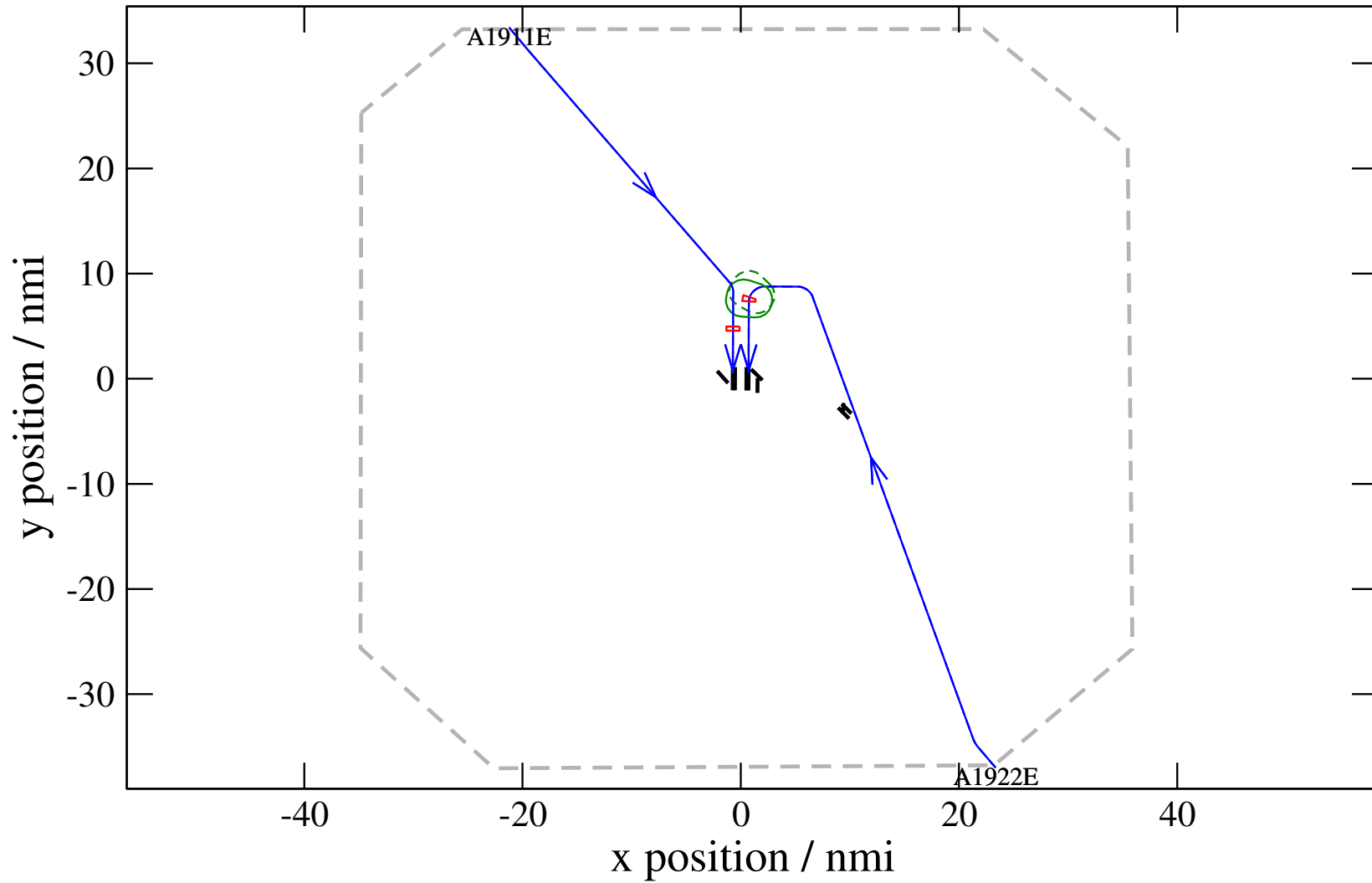
Maneuver Altitude Profiles

+ A1922E-A1911E 0.782H->1.189H: A1922E speed dec 10 kn (+21 s) 1922-1911-30



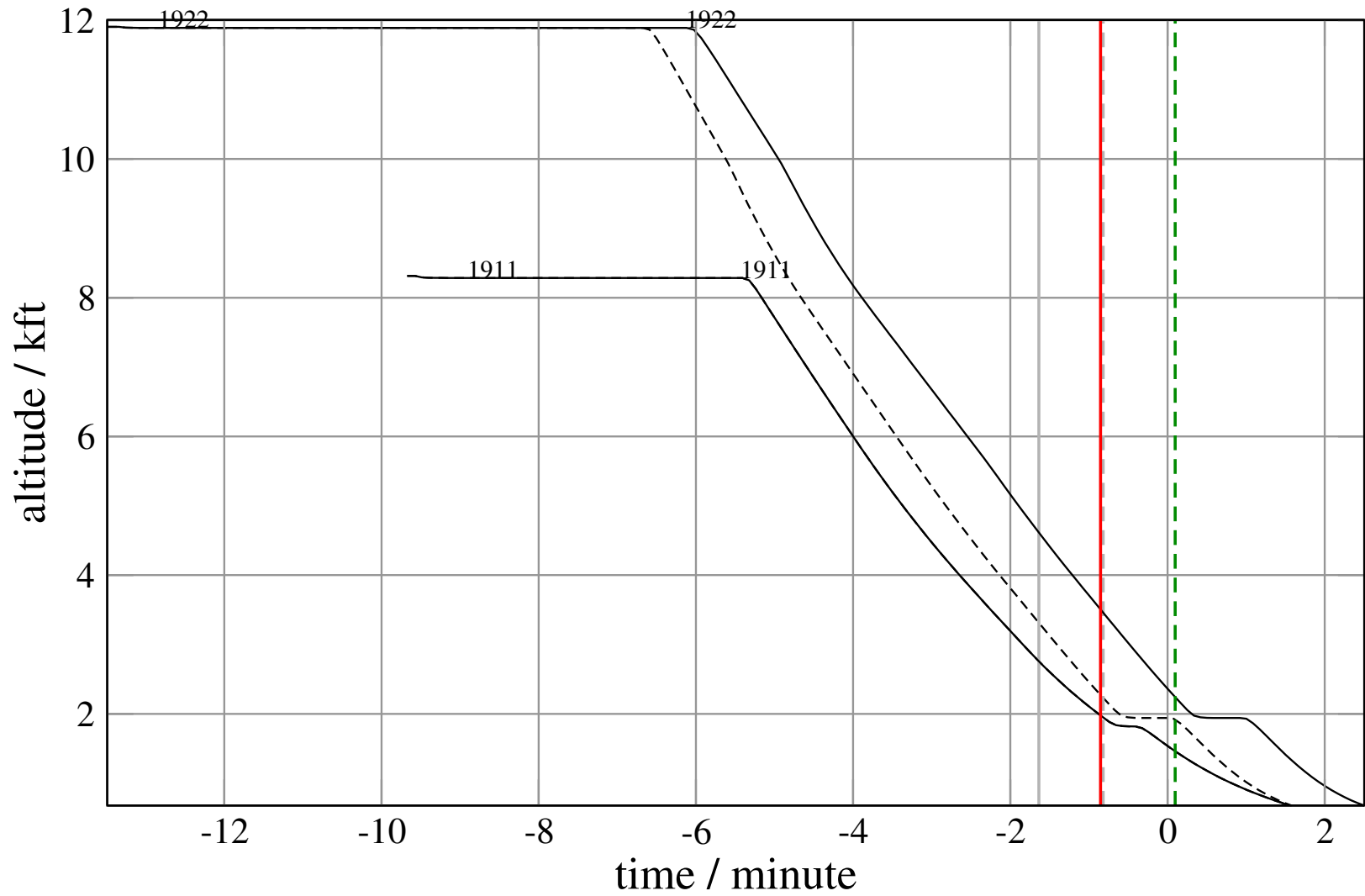
Maneuver Planview

+ A1922E-A1911E 0.175H->1.290H: A1922E speed dec 25 kn (+56 s) 1922-1911-31



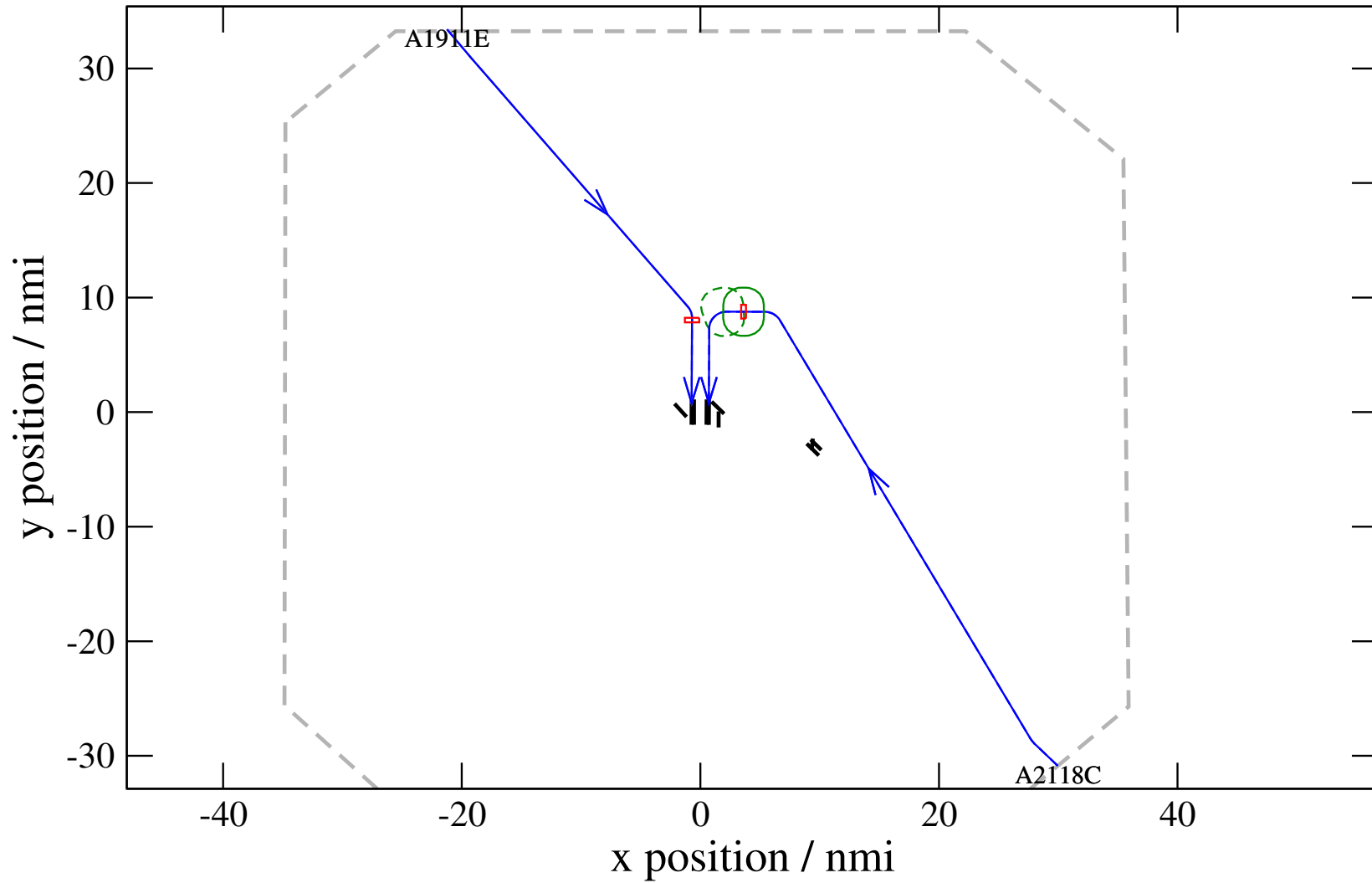
Maneuver Altitude Profiles

+ A1922E-A1911E 0.175H->1.290H: A1922E speed dec 25 kn (+56 s) 1922-1911-31



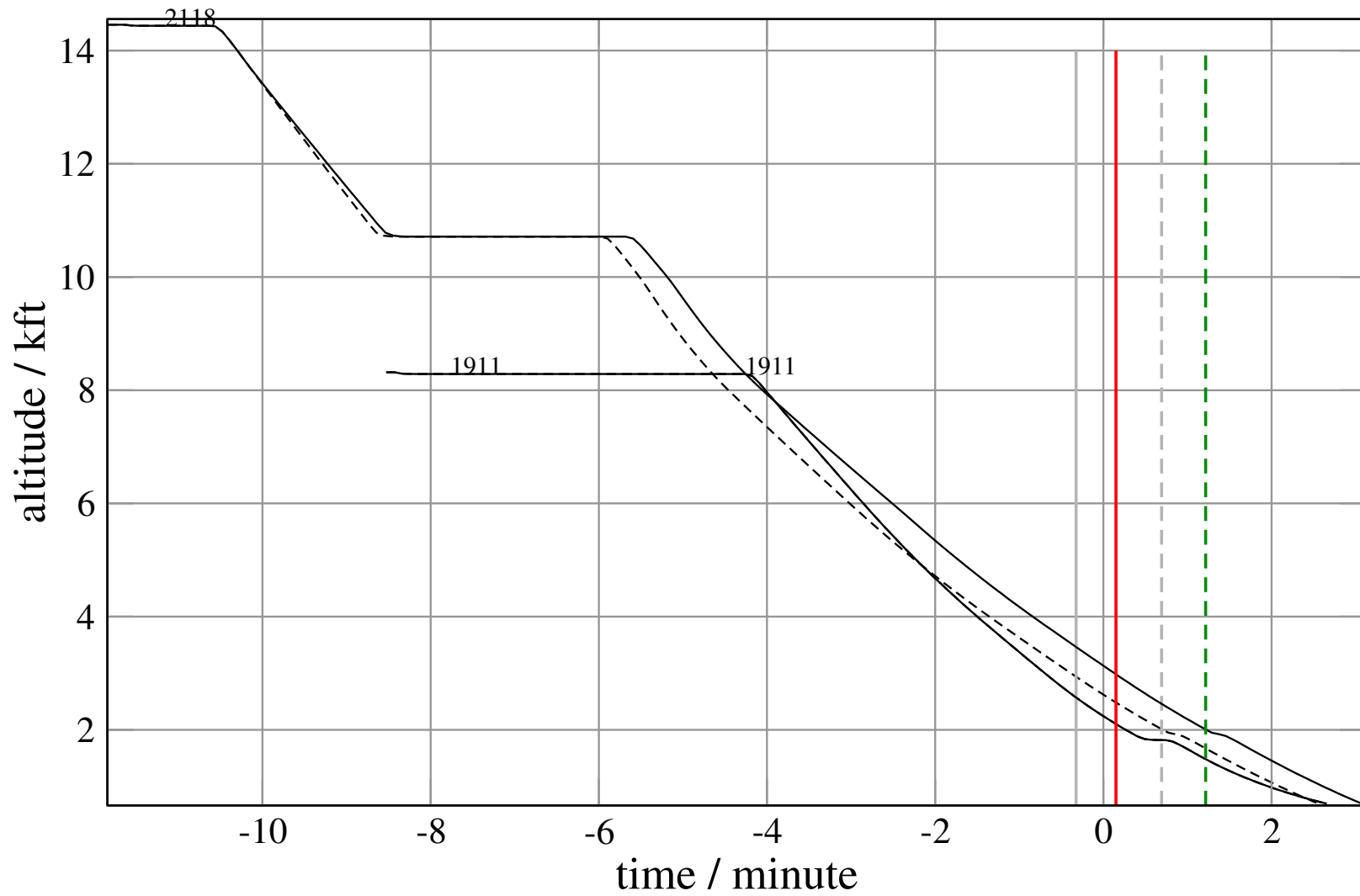
Maneuver Planview

+ A2118C-A1911E 0.629H->1.172H: A2118C speed dec 17 kn (+31 s) 2118-1911-30



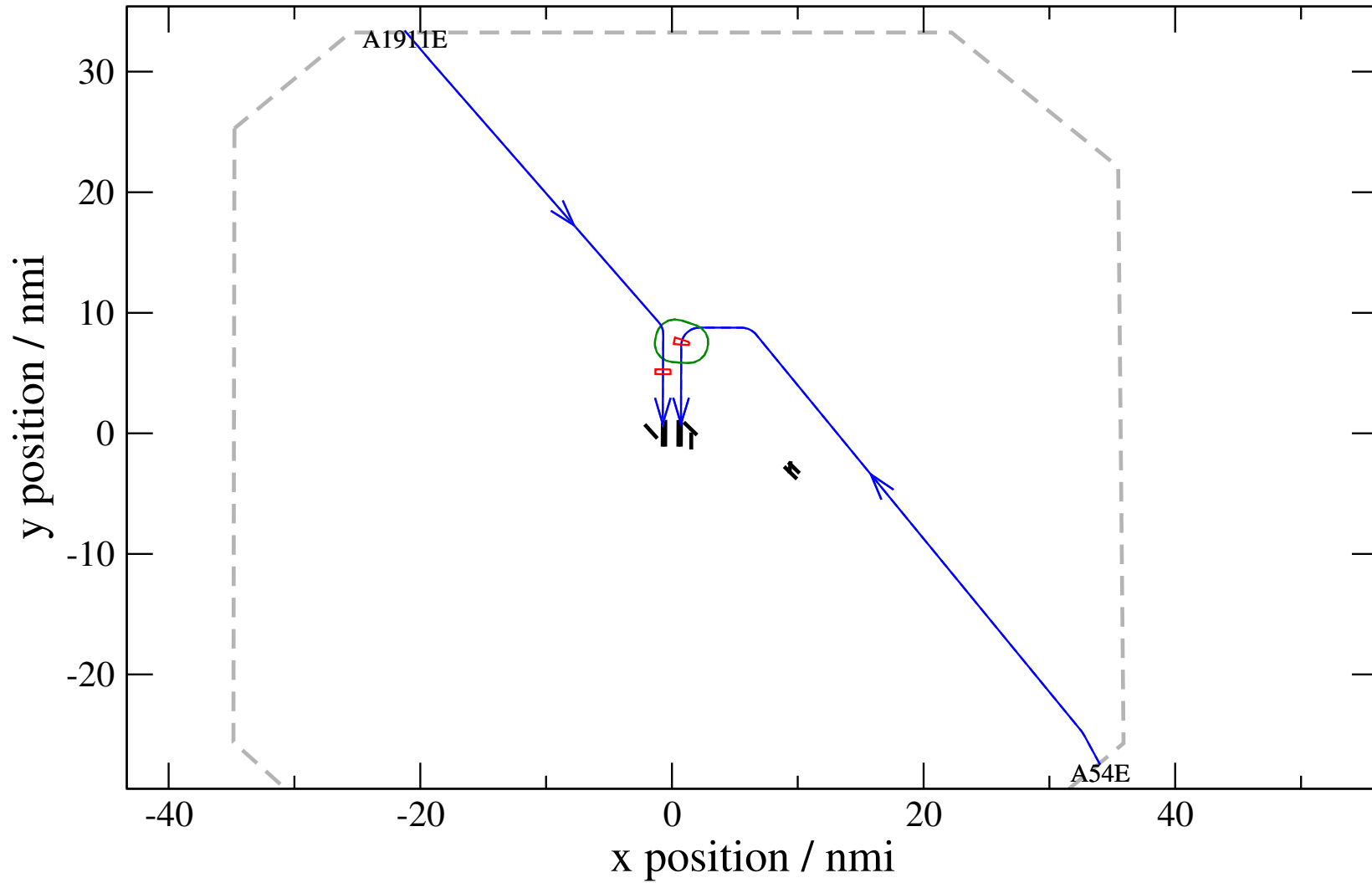
Maneuver Altitude Profiles

+ A2118C-A1911E 0.629H->1.172H: A2118C speed dec 17 kn (+31 s) 2118-1911-30



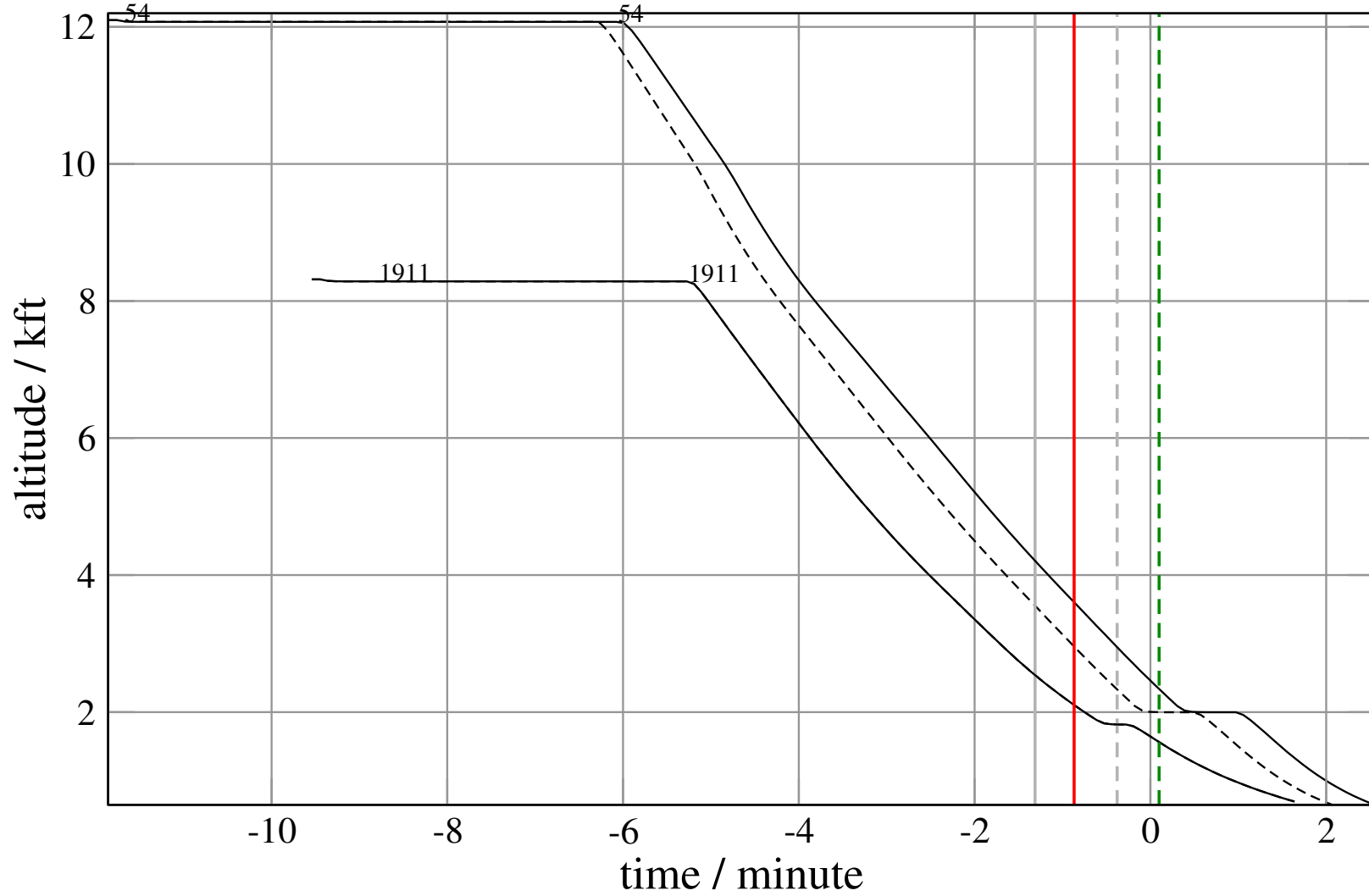
Maneuver Planview

+ A54E-A1911E 0.585H->1.130H: A54E speed dec 15 kn (+29 s) 54-1911-28



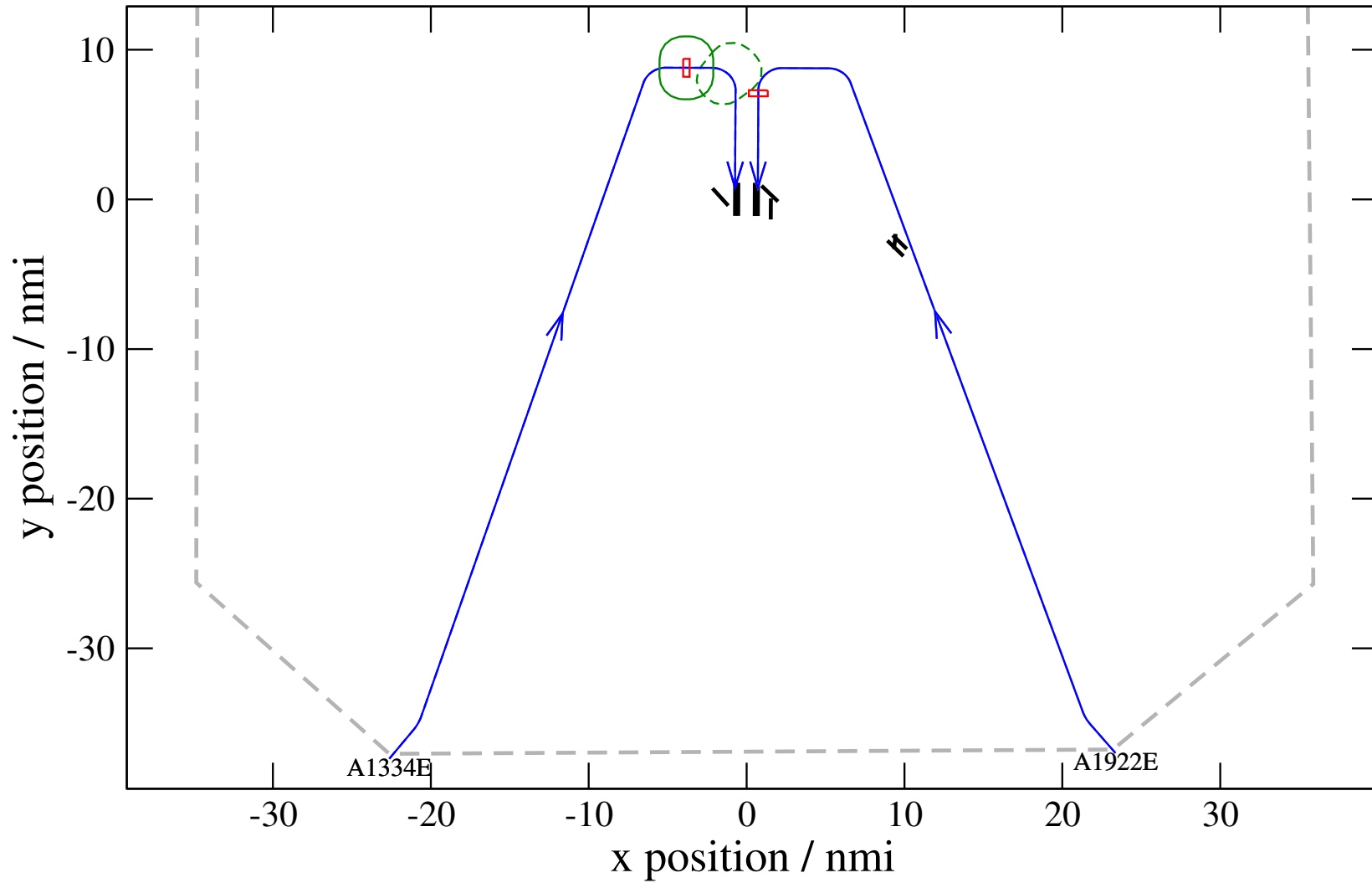
Maneuver Altitude Profiles

+ A54E-A1911E 0.585H->1.130H: A54E speed dec 15 kn (+29 s) 54-1911-28



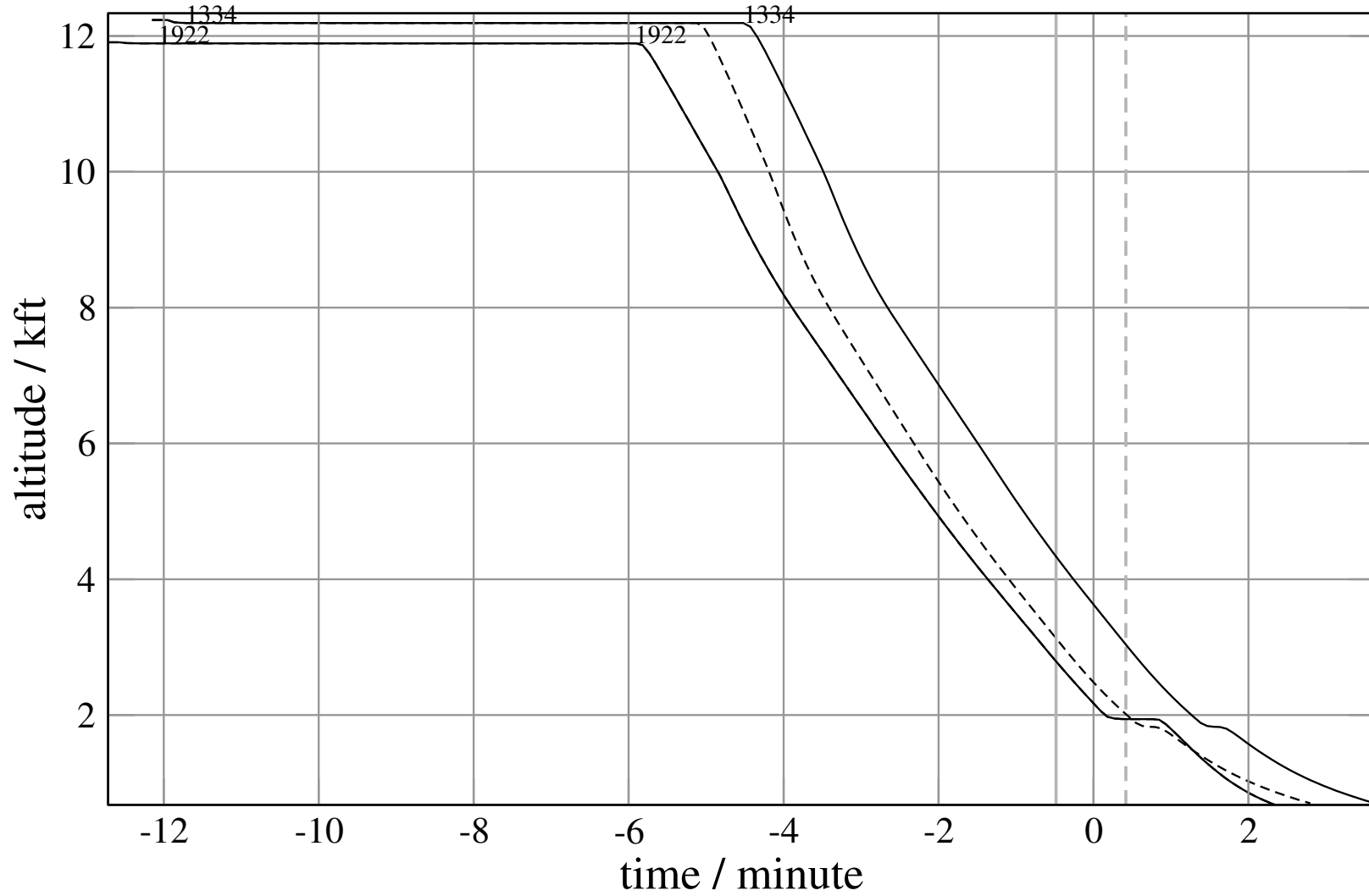
Maneuver Planview

+ A1334E-A1922E 0.477H->1.287H: A1334E speed dec 25 kn (+50 s) 1334-1922-30



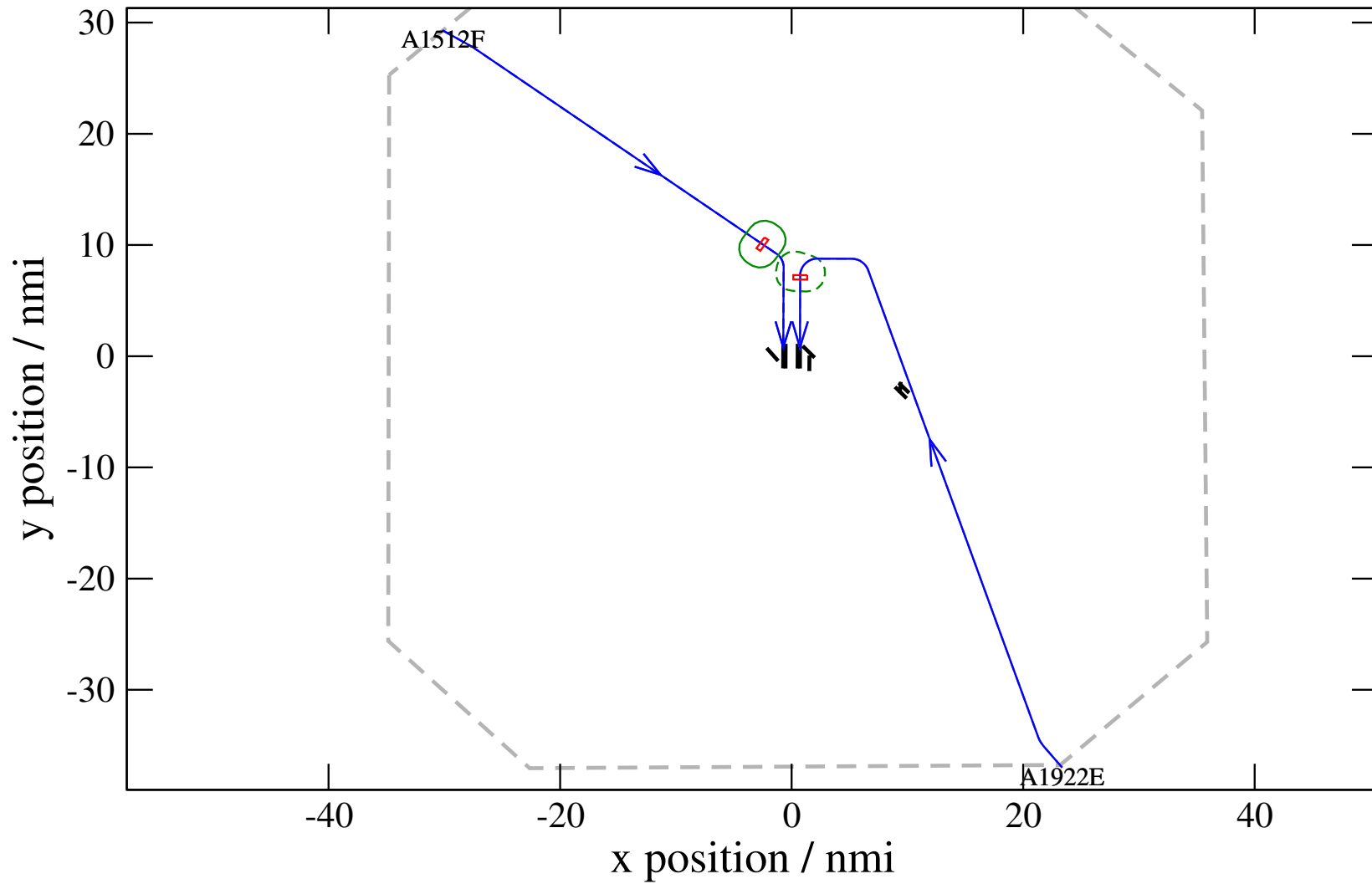
Maneuver Altitude Profiles

+ A1334E-A1922E 0.477H->1.287H: A1334E speed dec 25 kn (+50 s) 1334-1922-30



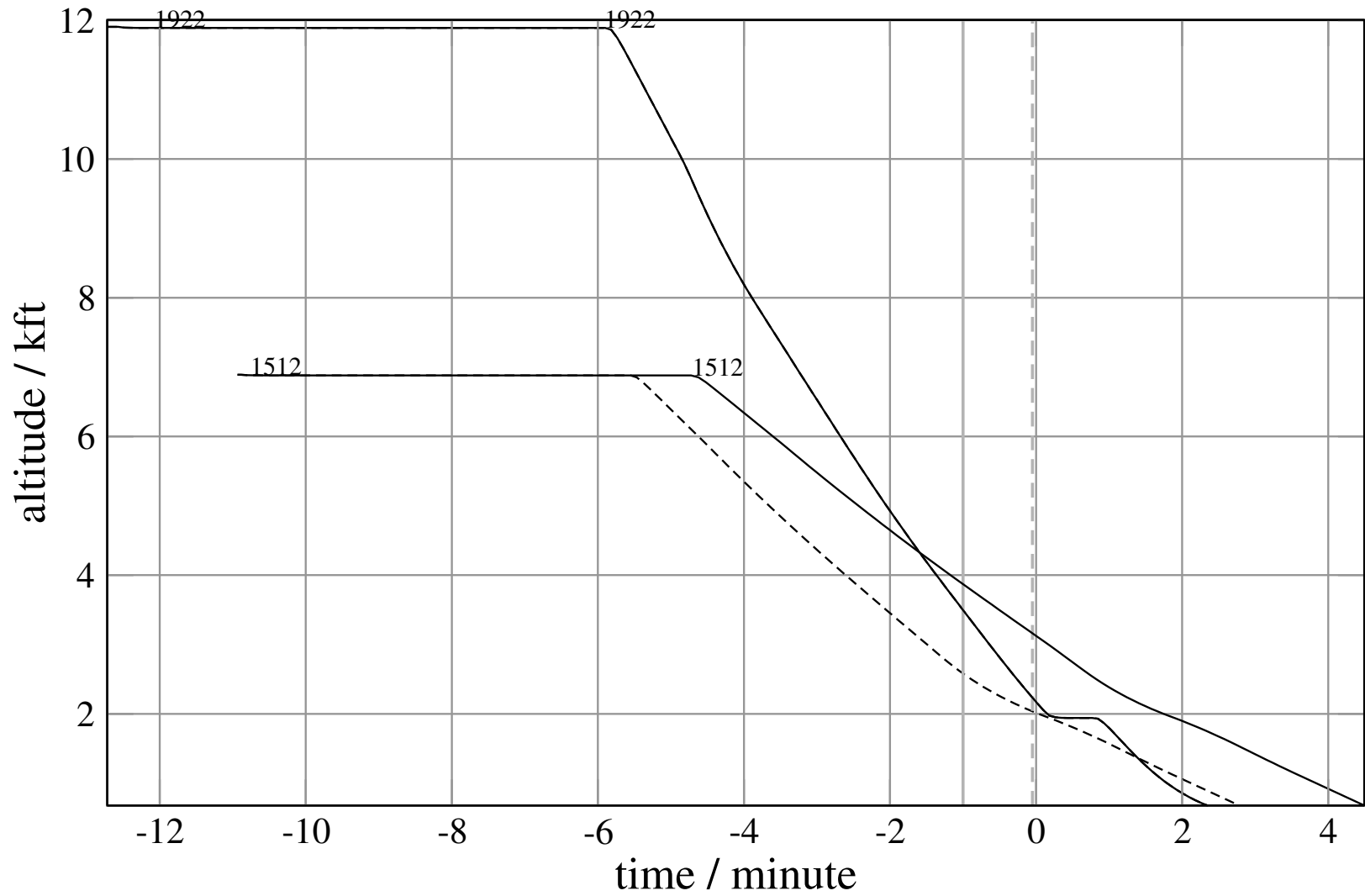
Maneuver Planview

+ A1512F-A1922E 0.515H->1.196H: A1512F speed dec 35 kn (+103 s) 1922-1512-32



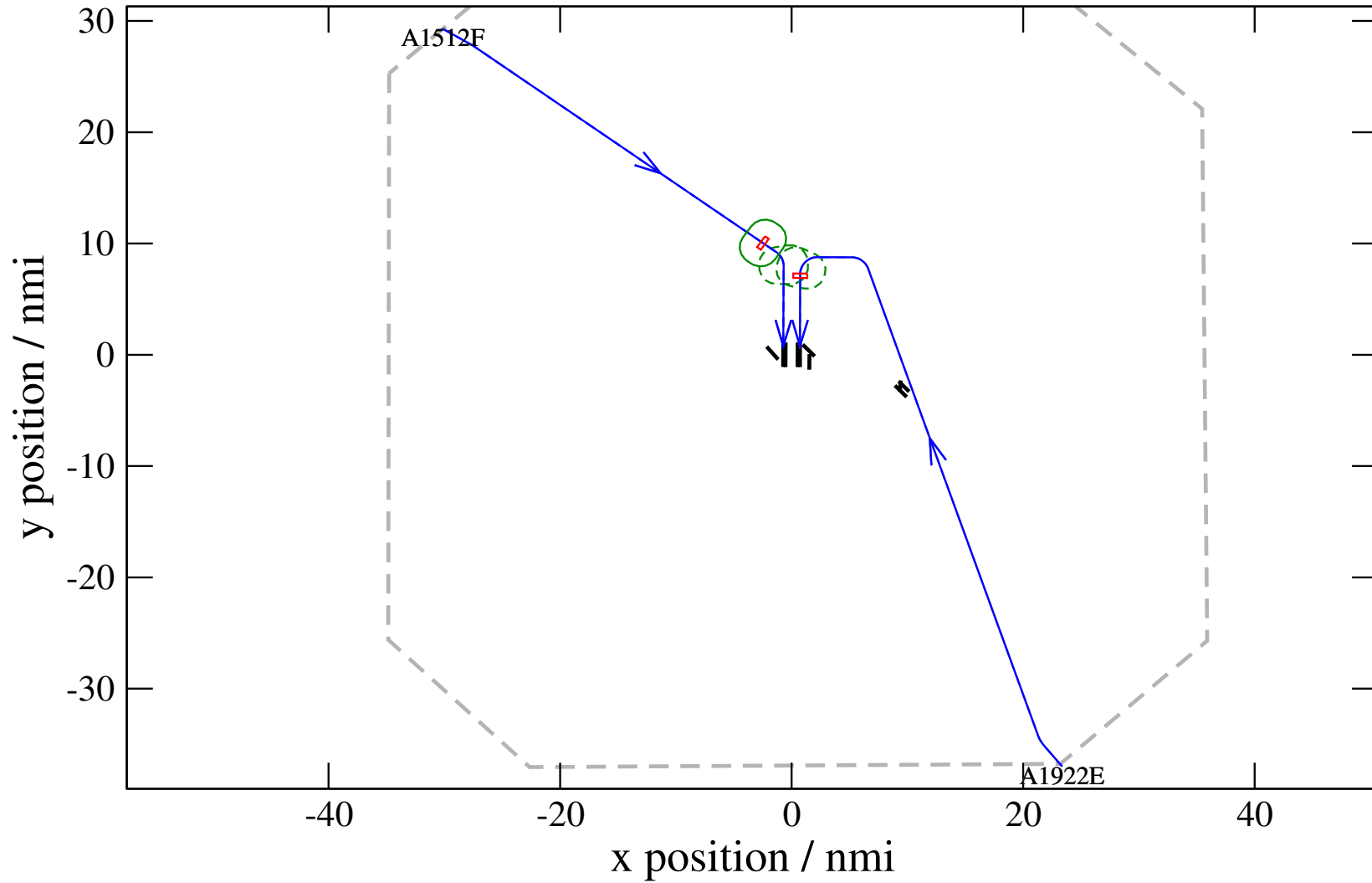
Maneuver Altitude Profiles

+ A1512F-A1922E 0.515H->1.196H: A1512F speed dec 35 kn (+103 s) 1922-1512-32



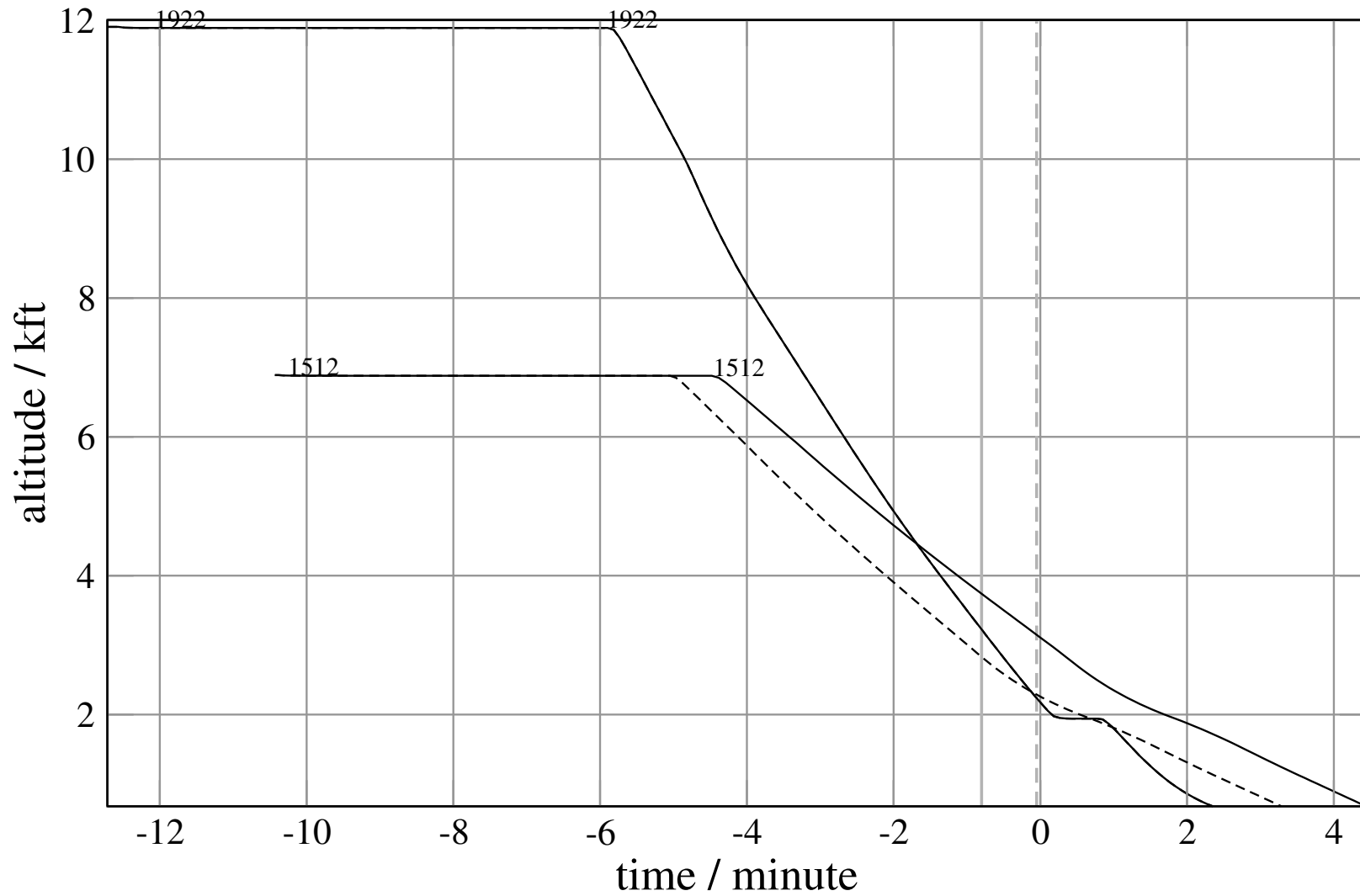
Maneuver Planview

+ A1512F-A1922E 0.119H->1.174H: A1512F speed dec 25 kn (+69 s) 1922-1512-33



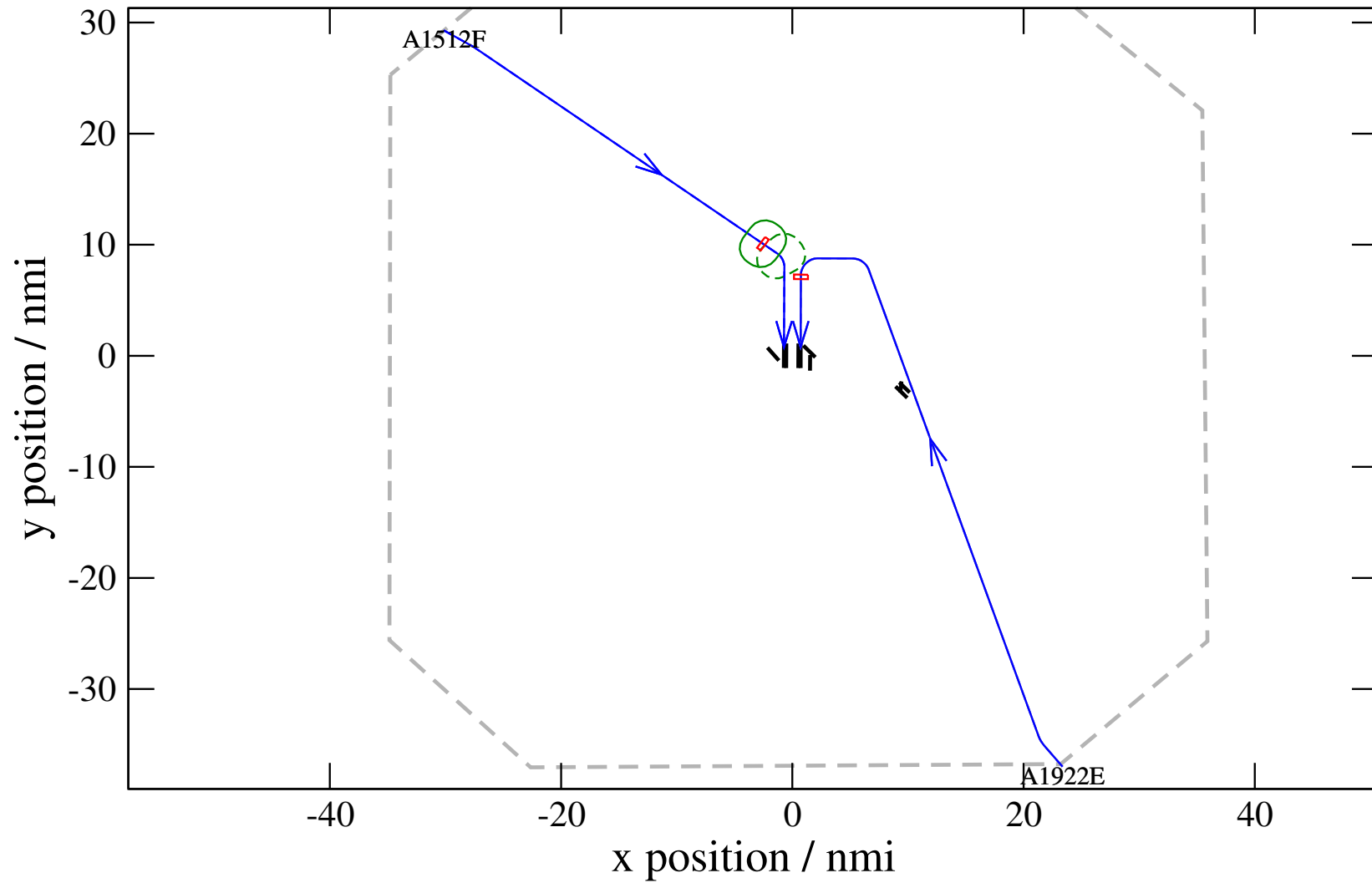
Maneuver Altitude Profiles

+ A1512F-A1922E 0.119H->1.174H: A1512F speed dec 25 kn (+69 s) 1922-1512-33



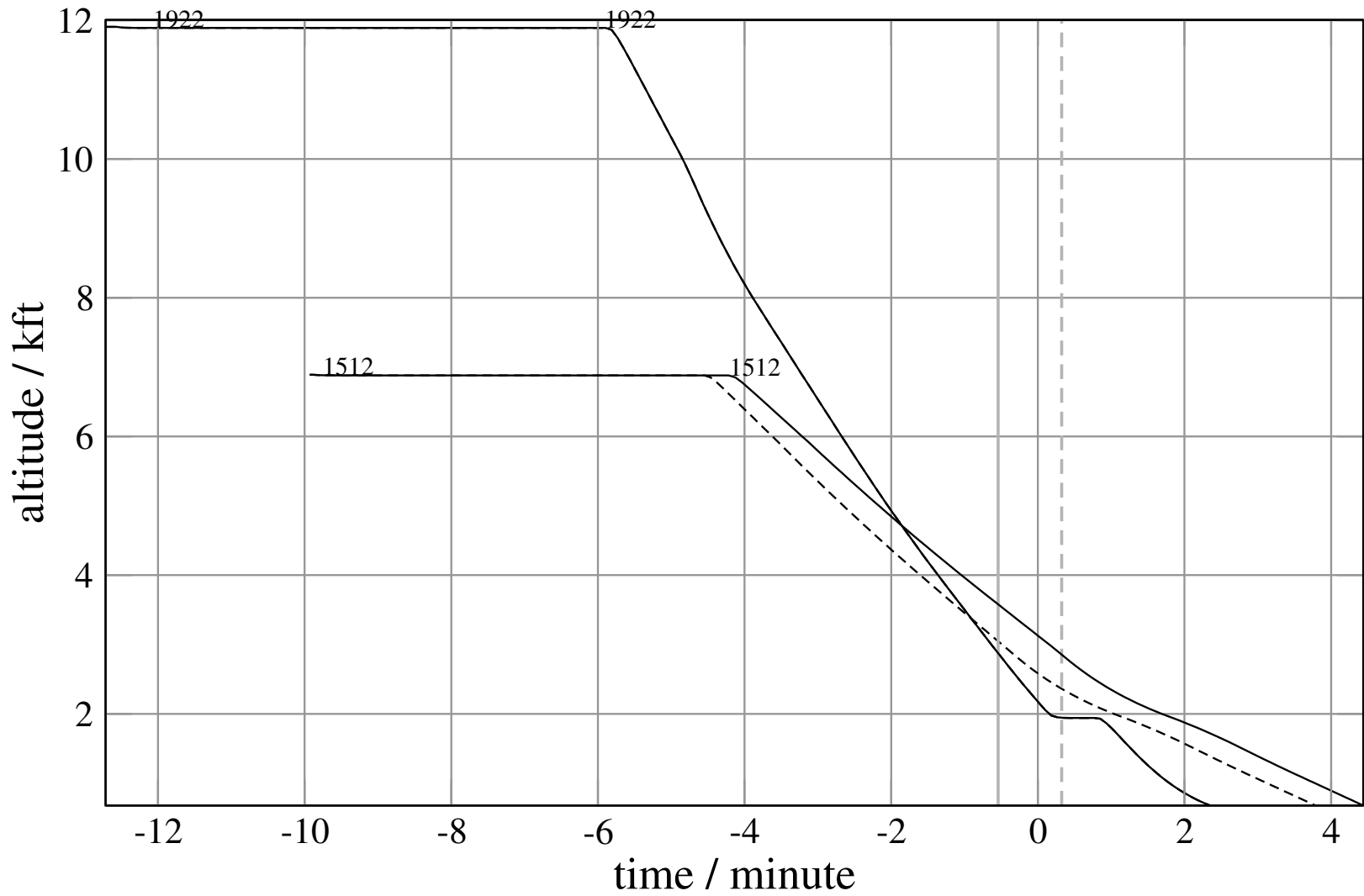
Maneuver Planview

+ A1512F-A1922E 0.530H->1.199H: A1512F speed dec 15 kn (+39 s) 1922-1512-34



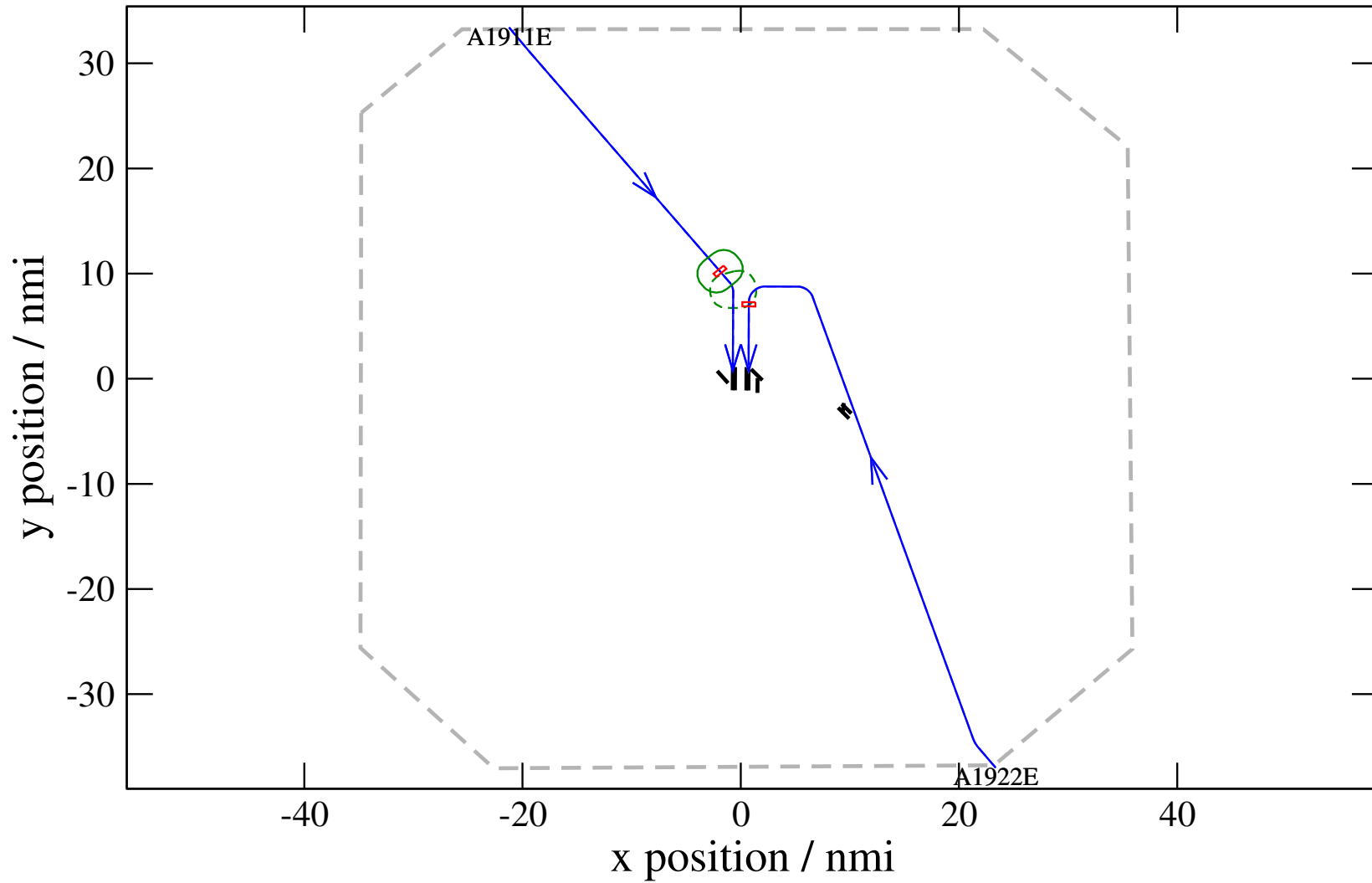
Maneuver Altitude Profiles

+ A1512F-A1922E 0.530H->1.199H: A1512F speed dec 15 kn (+39 s) 1922-1512-34



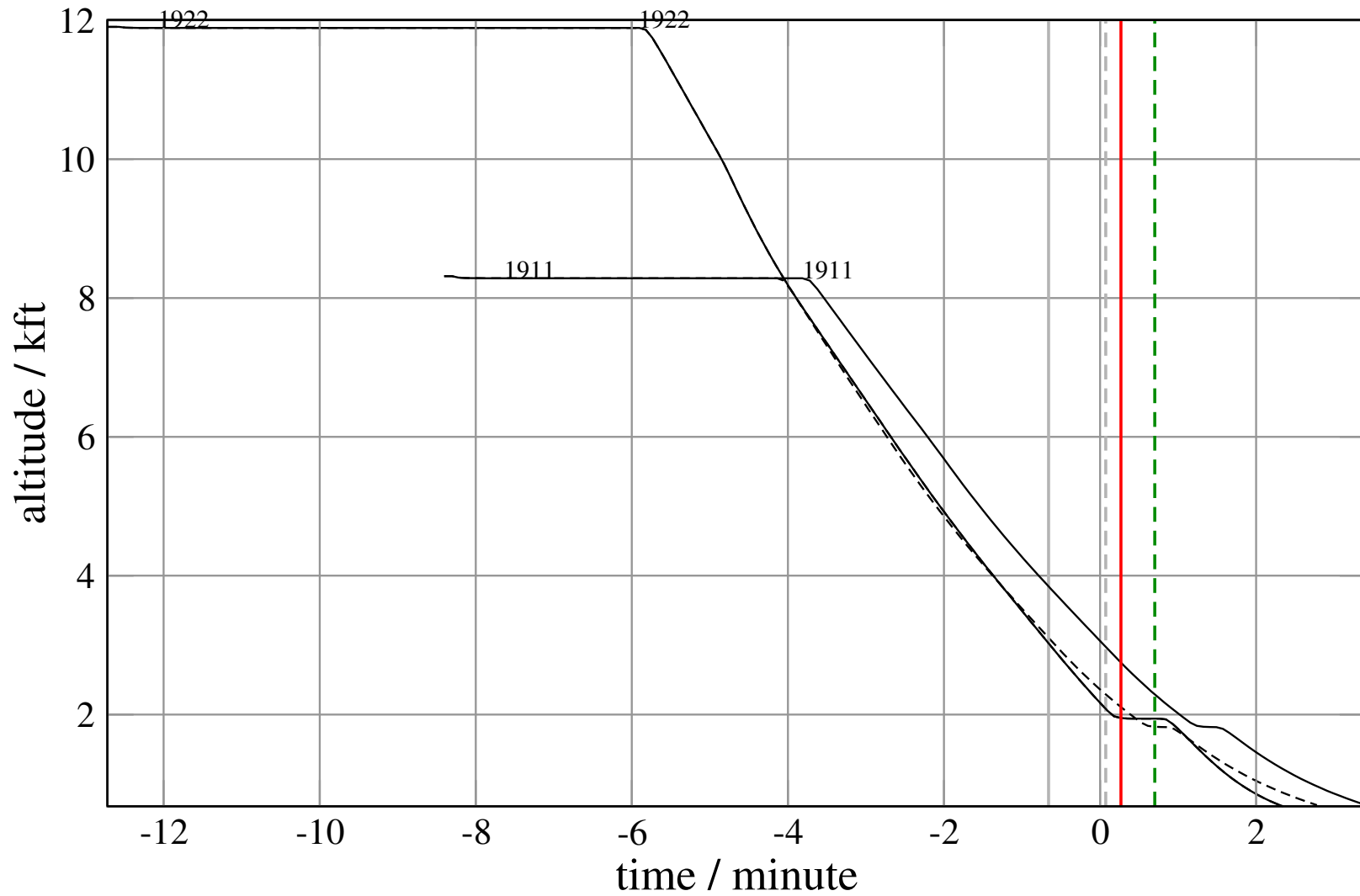
Maneuver Planview

+ A1911E-A1922E 0.322H->1.121H: A1911E speed dec 30 kn (+38 s) 1922-1911-32



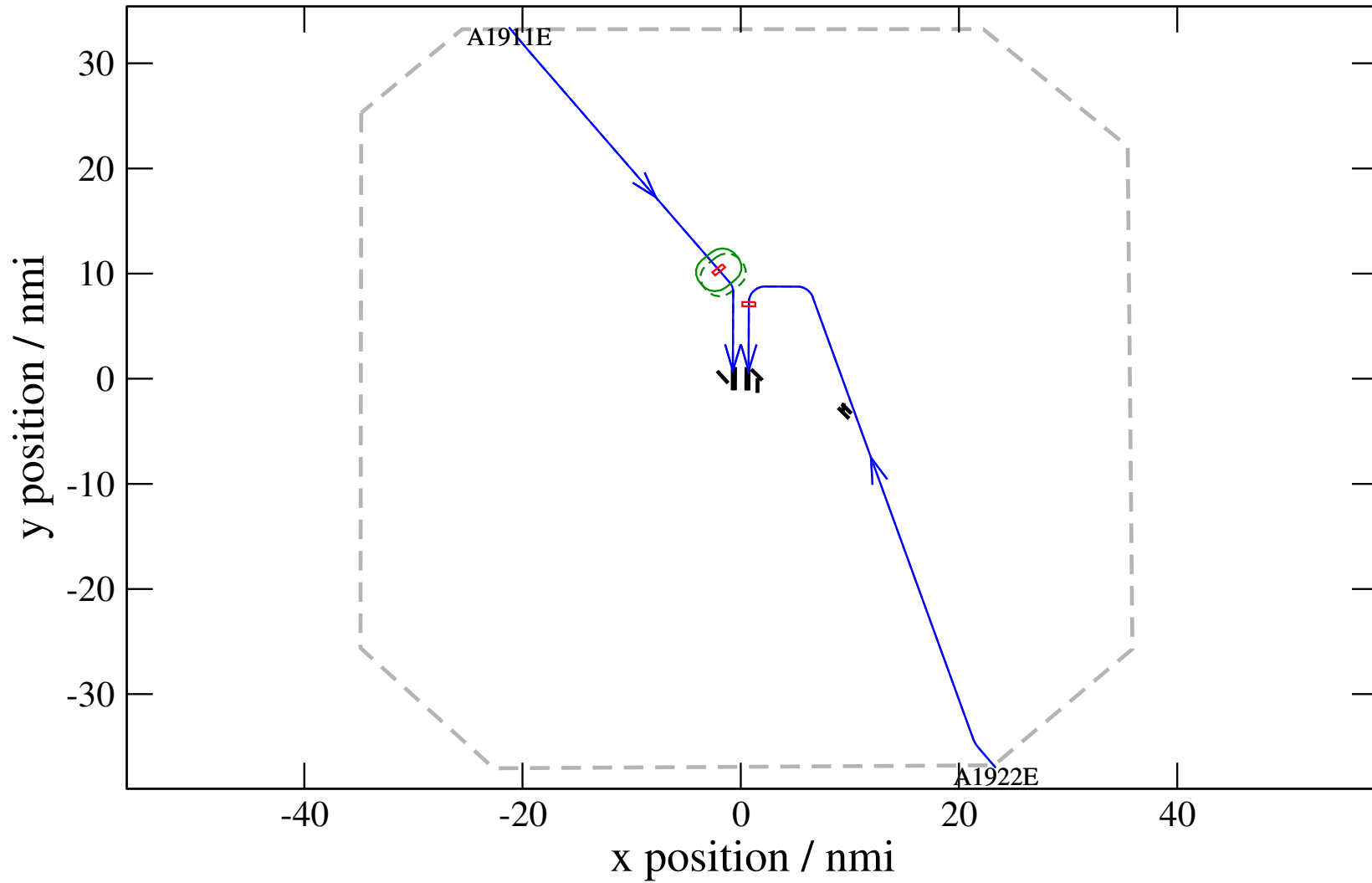
Maneuver Altitude Profiles

+ A1911E-A1922E 0.322H->1.121H: A1911E speed dec 30 kn (+38 s) 1922-1911-32



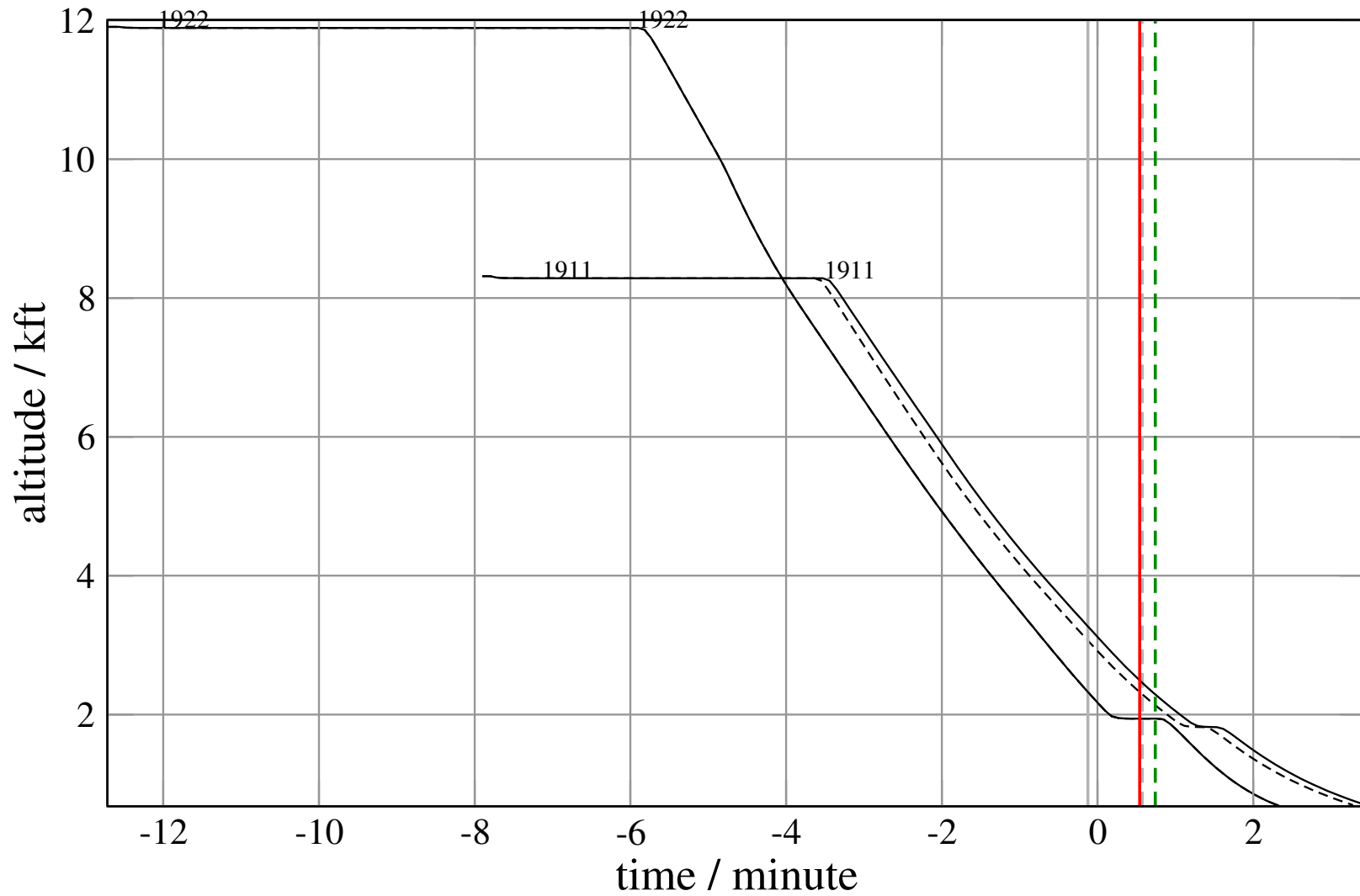
Maneuver Planview

+ A1911E-A1922E 0.967H->1.177H: A1911E speed dec 10 kn (+10 s) 1922-1911-33



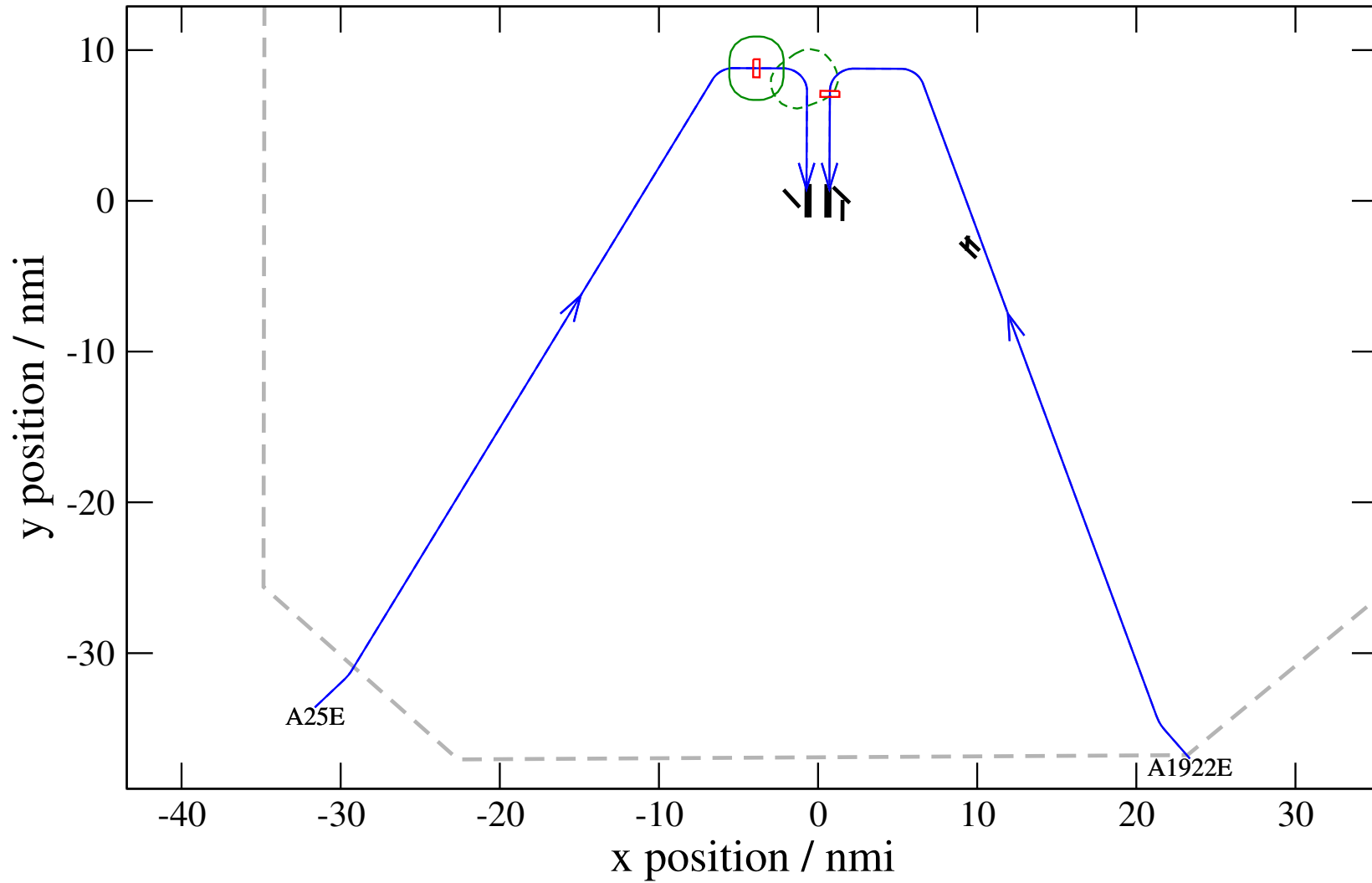
Maneuver Altitude Profiles

+ A1911E-A1922E 0.967H->1.177H: A1911E speed dec 10 kn (+10 s) 1922-1911-33



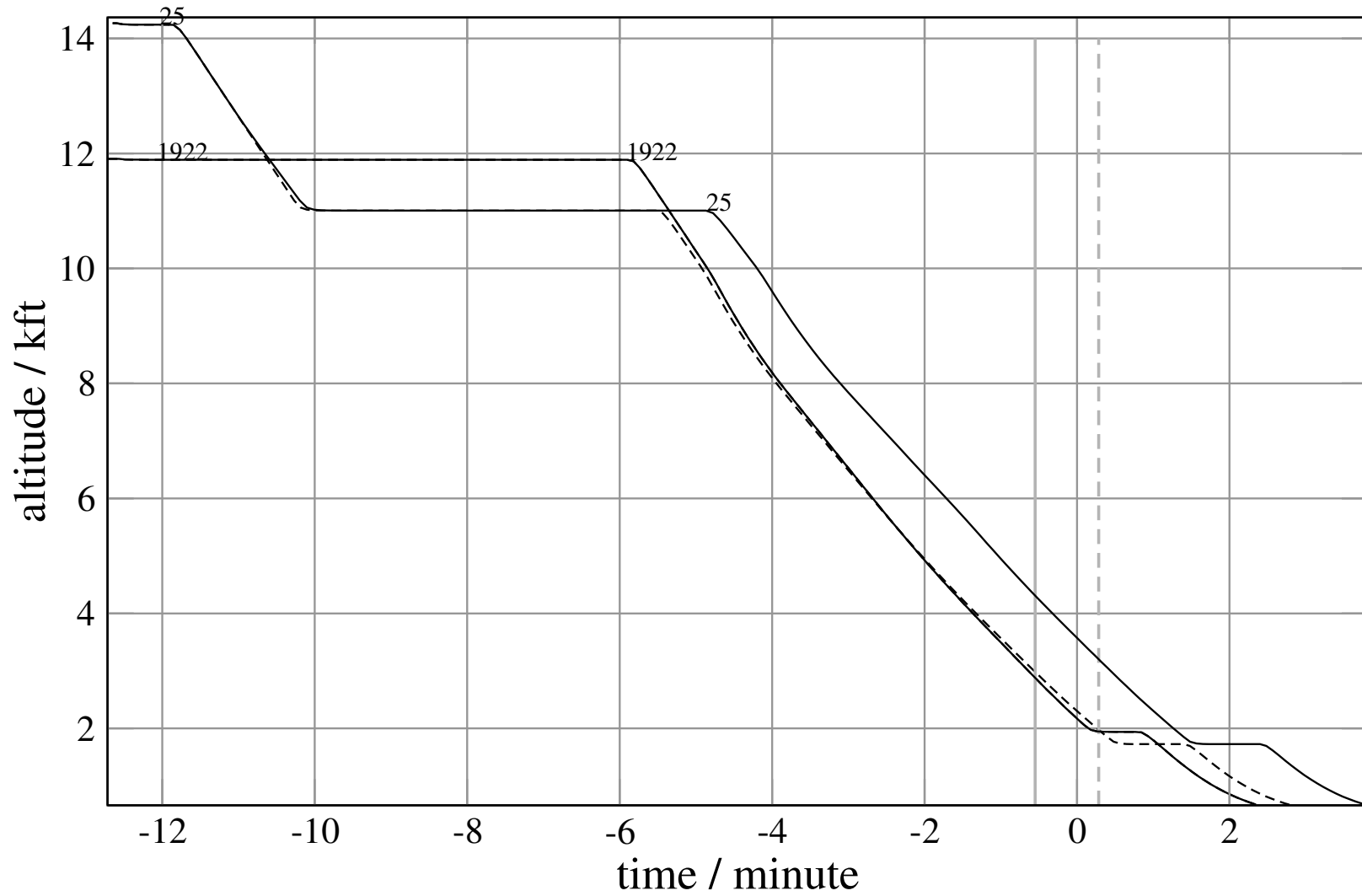
Maneuver Planview

+ A25E-A1922E 0.293H->1.306H: A25E speed dec 28 kn (+60 s) 25-1922-31



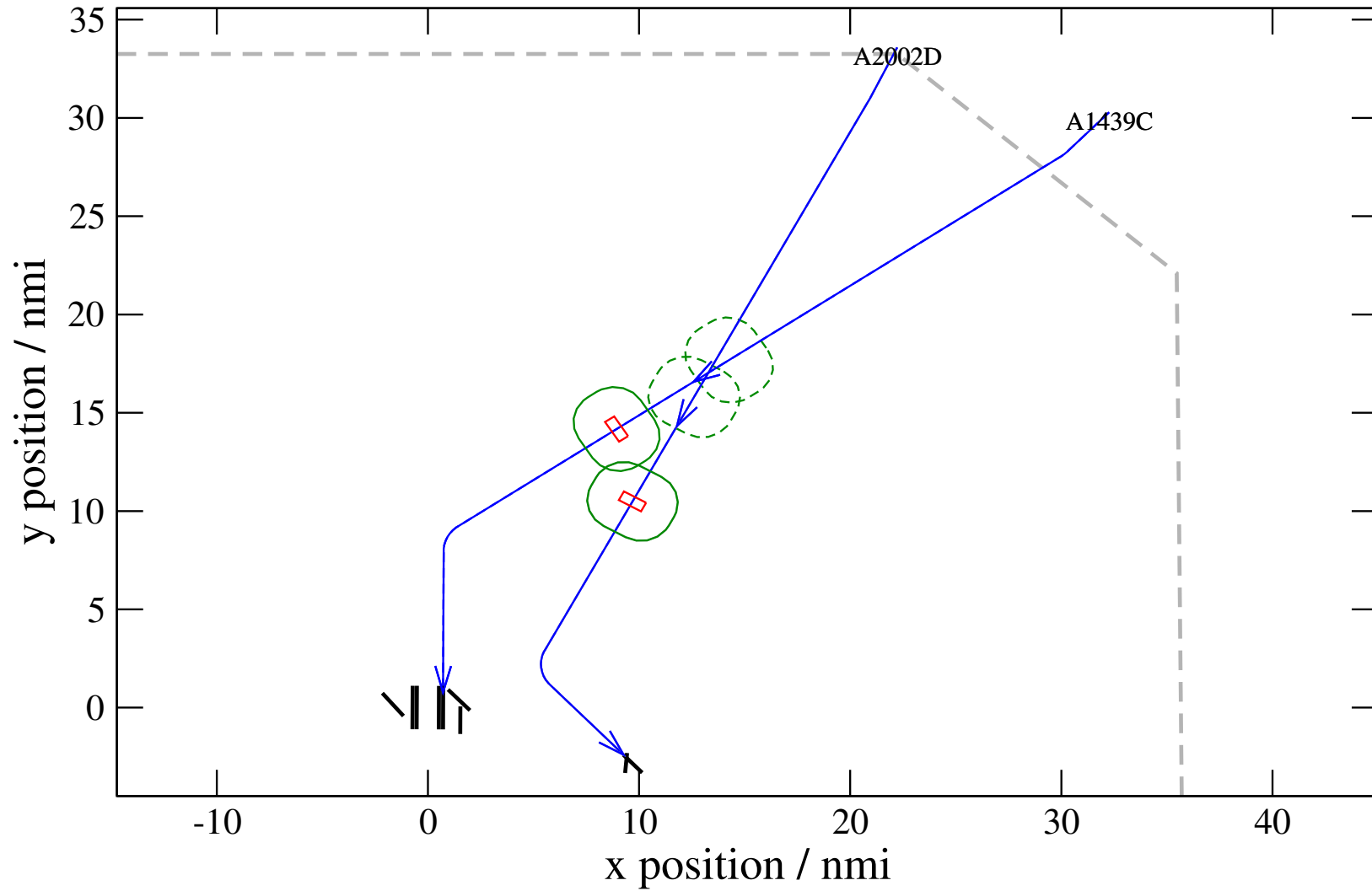
Maneuver Altitude Profiles

+ A25E-A1922E 0.293H->1.306H: A25E speed dec 28 kn (+60 s) 25-1922-31



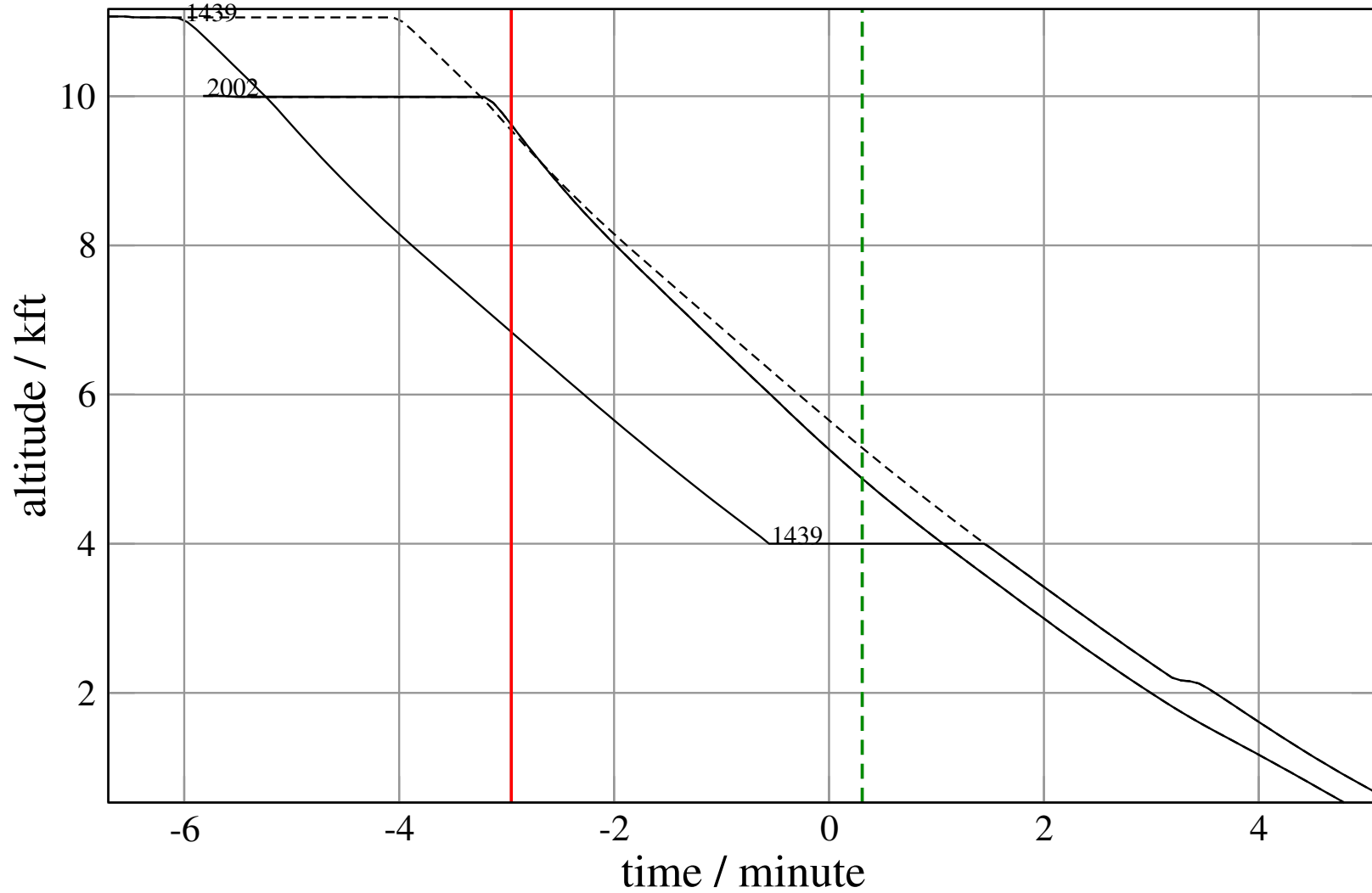
Maneuver Planview

+ A1439C-A2002D 0.539H->1.000H(div): A1439C temp alt 4.0 kft, 2.0 Min (+0 s) 1439-2002-24



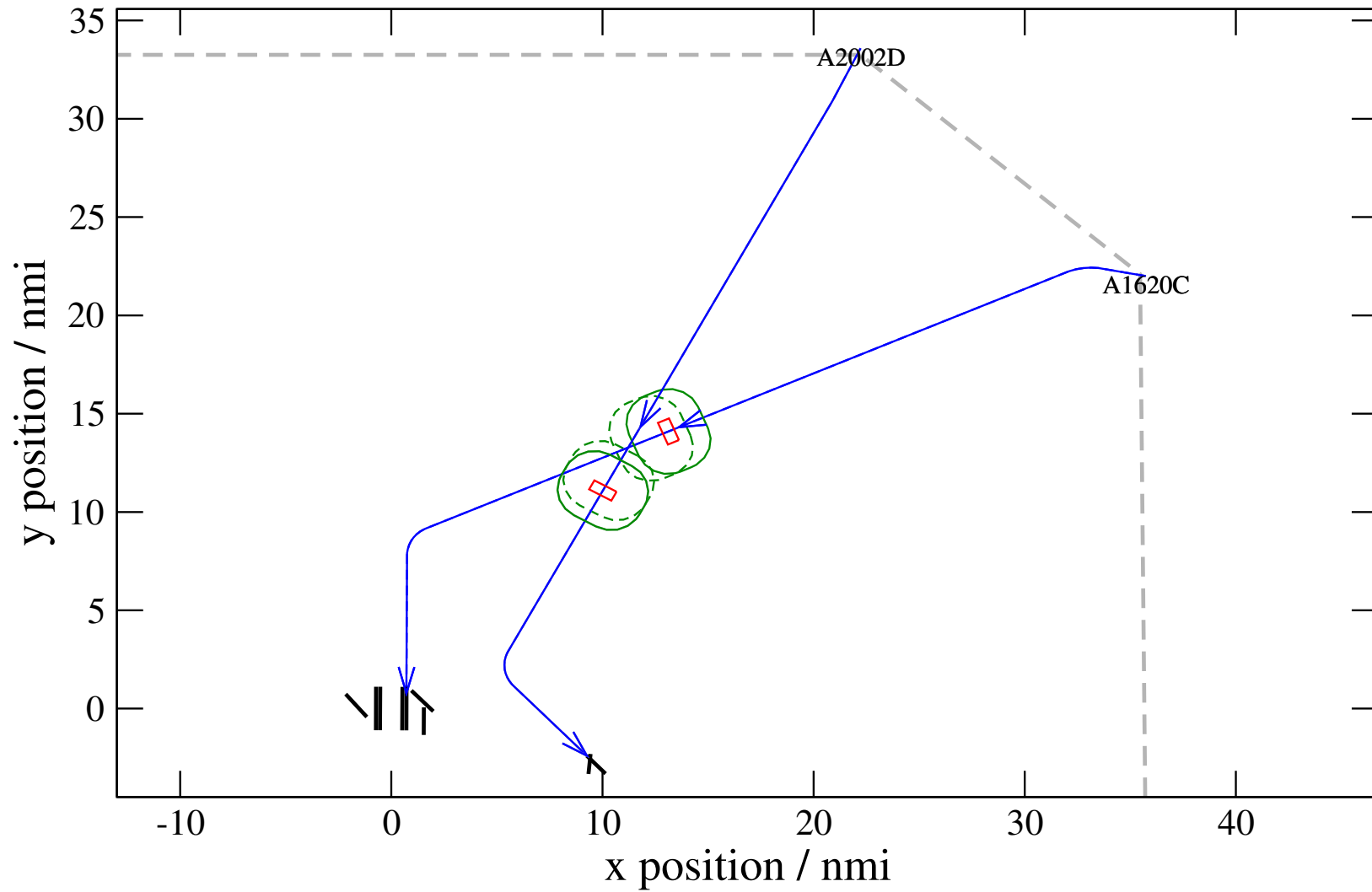
Maneuver Altitude Profiles

+ A1439C-A2002D 0.539H->1.000H(div): A1439C temp alt 4.0 kft, 2.0 Min (+0 s) 1439-2002-24



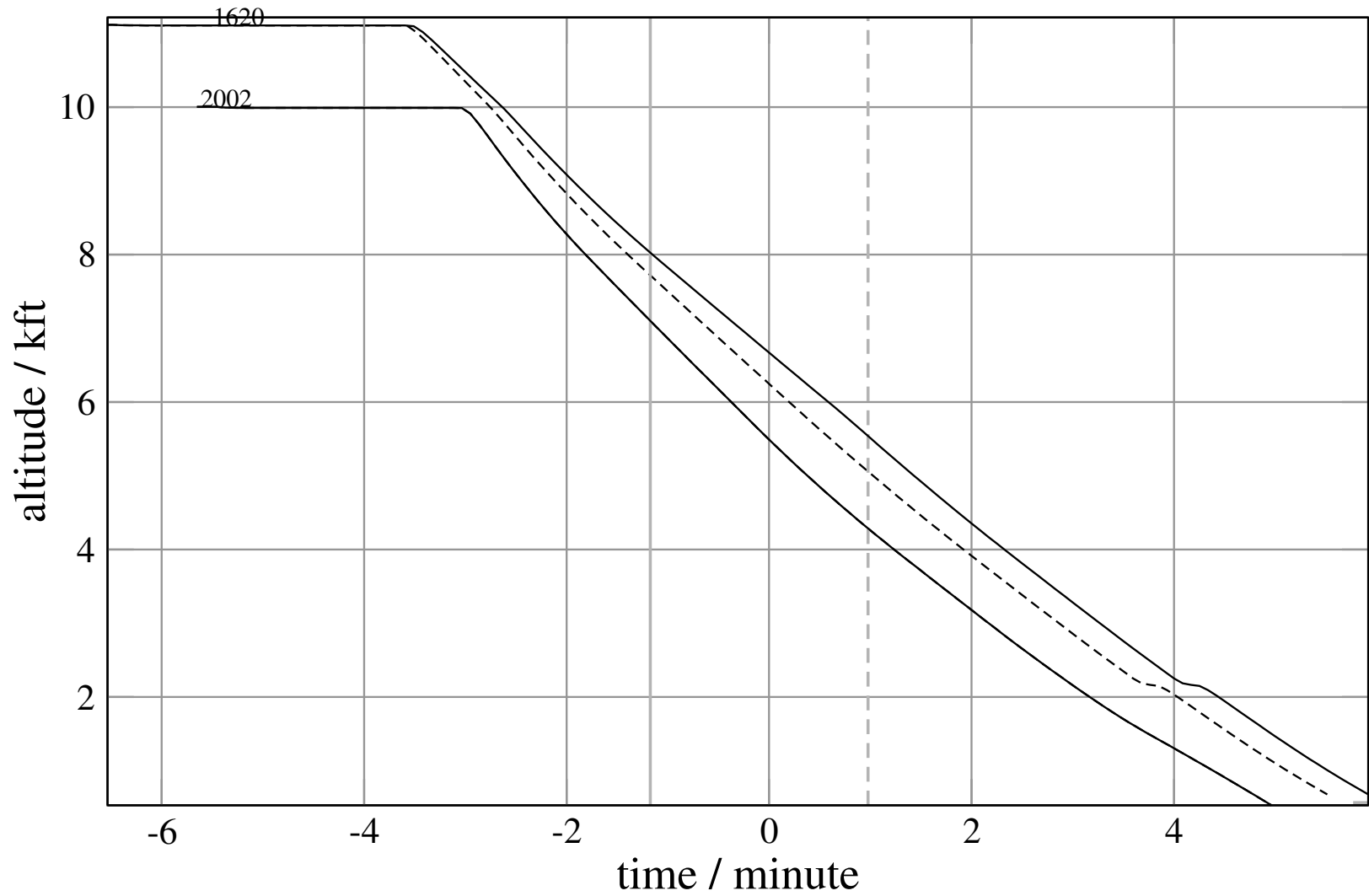
Maneuver Planview

+ A1620C-A2002D 0.679H->1.140H: A1620C speed dec 21 kn (+24 s) 1620-2002-24



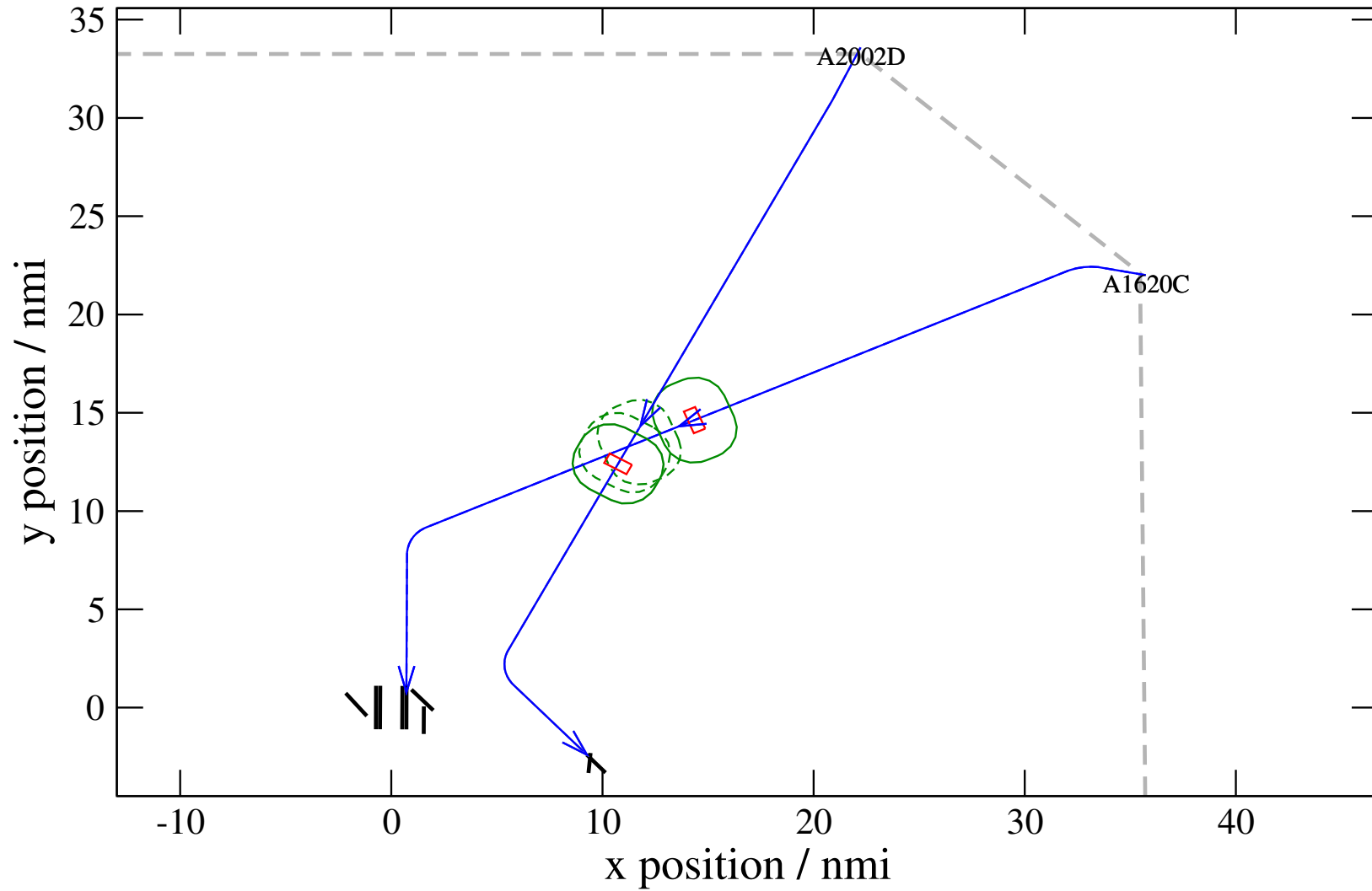
Maneuver Altitude Profiles

+ A1620C-A2002D 0.679H->1.140H: A1620C speed dec 21 kn (+24 s) 1620-2002-24



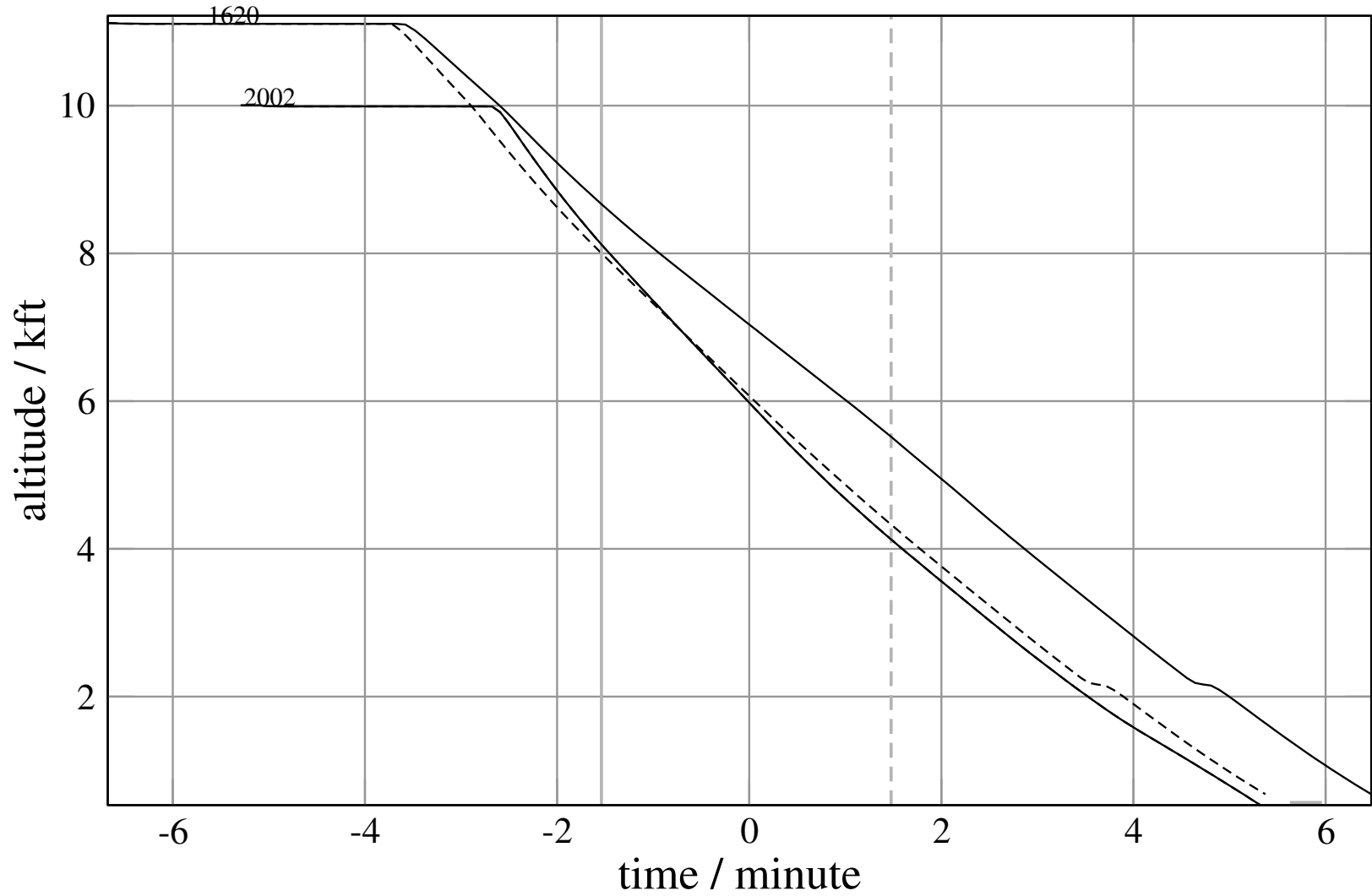
Maneuver Planview

+ A1620C-A2002D 0.000H->1.114H: A1620C speed dec 46 kn (+66 s) 1620-2002-25



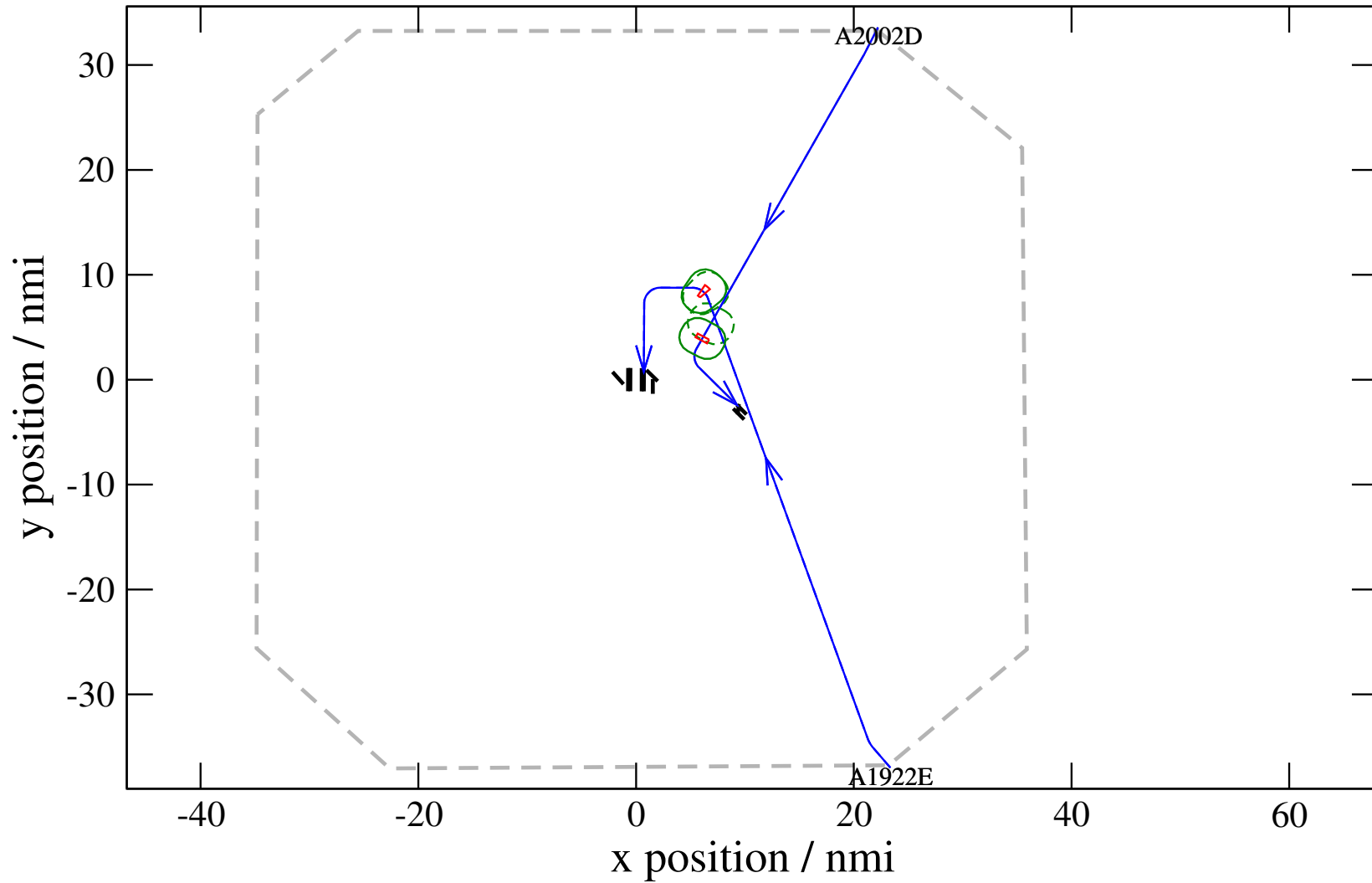
Maneuver Altitude Profiles

+ A1620C-A2002D 0.000H->1.114H: A1620C speed dec 46 kn (+66 s) 1620-2002-25



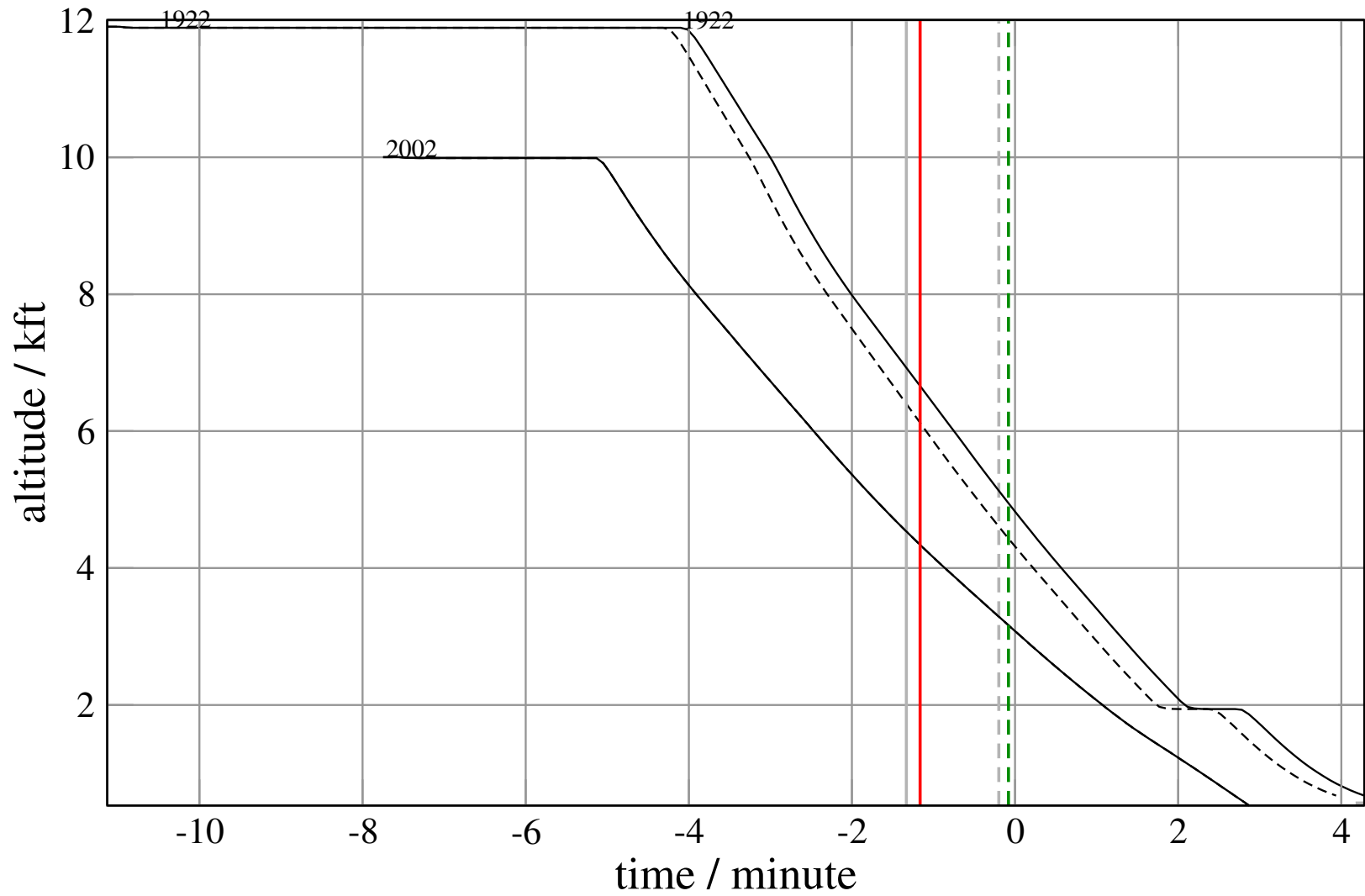
Maneuver Planview

+ A1922E-A2002D 0.862V->1.206V: A1922E speed dec 10 kn (+21 s) 1922-2002-29



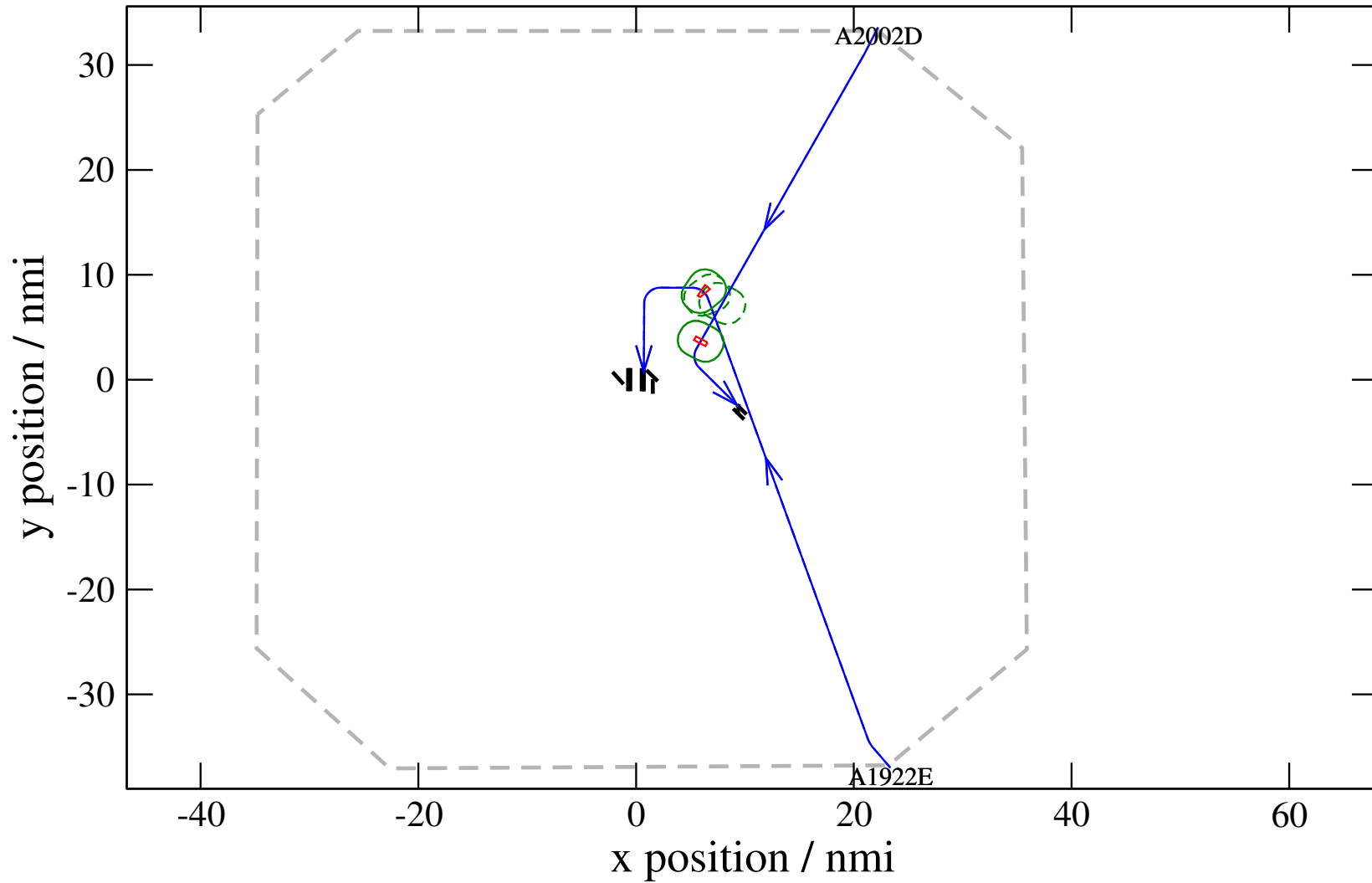
Maneuver Altitude Profiles

+ A1922E-A2002D 0.862V->1.206V: A1922E speed dec 10 kn (+21 s) 1922-2002-29



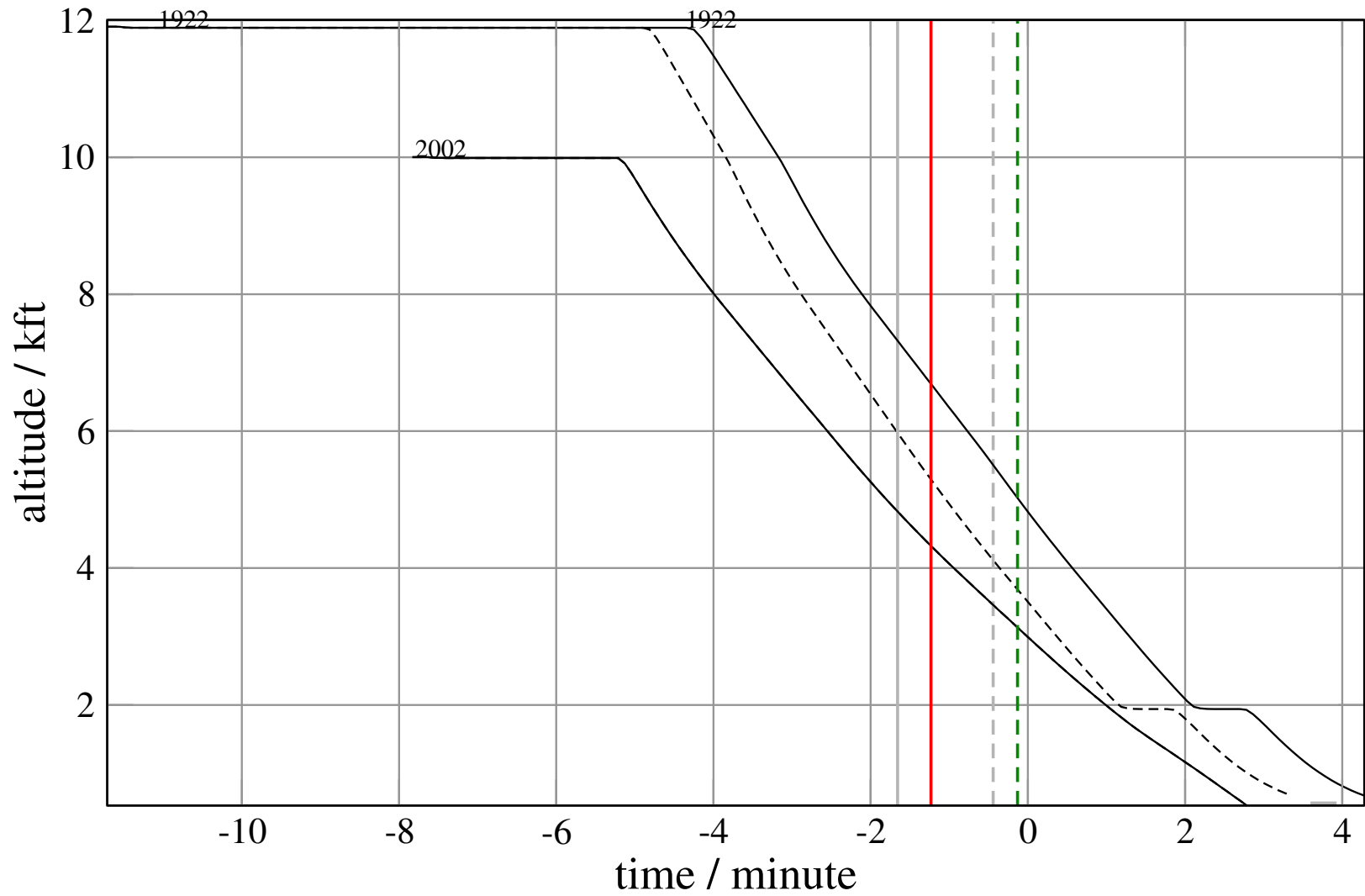
Maneuver Planview

+ A1922E-A2002D 0.348H->1.304V: A1922E speed dec 25 kn (+56 s) 1922-2002-30



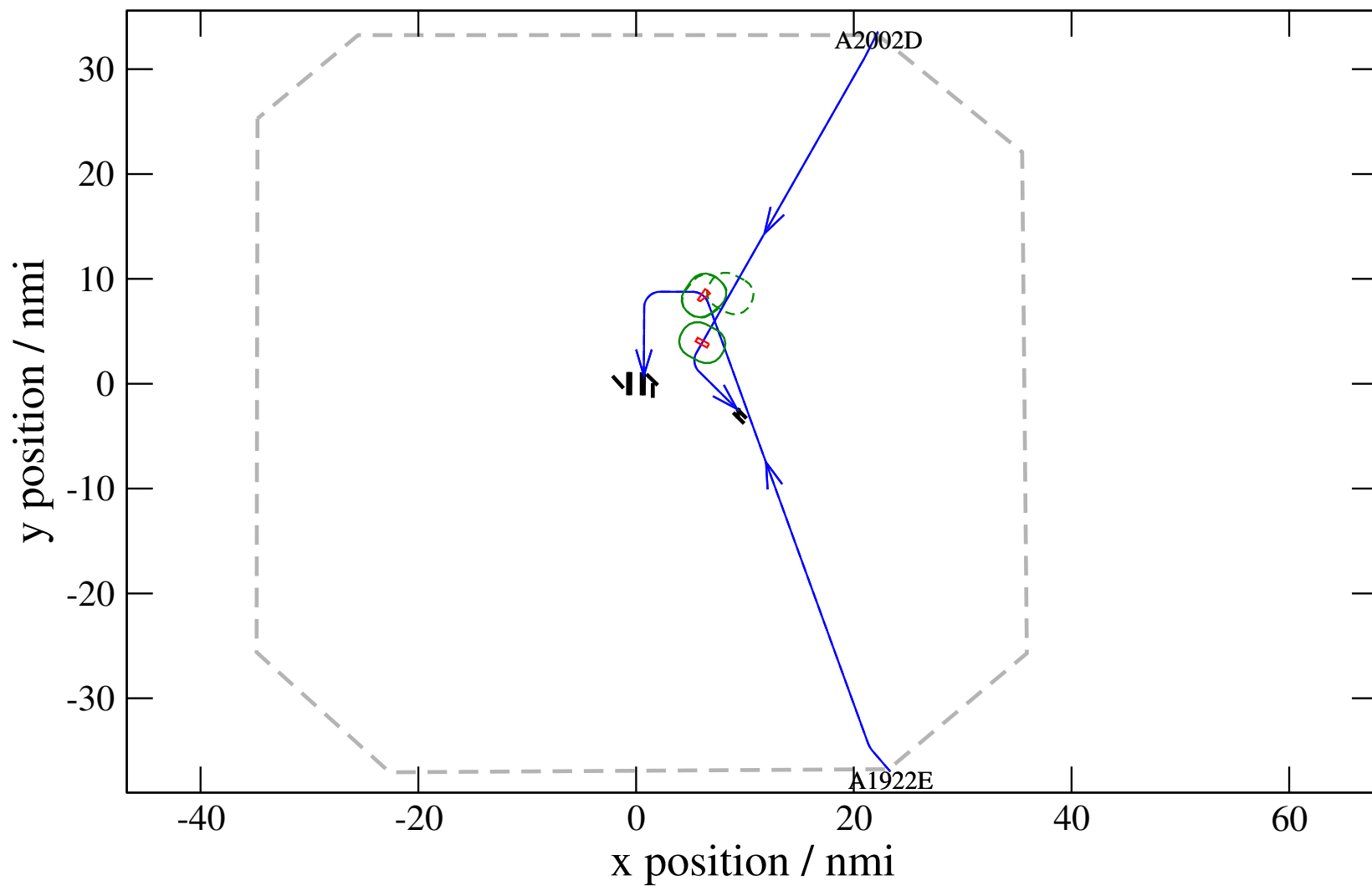
Maneuver Altitude Profiles

+ A1922E-A2002D 0.348H->1.304V: A1922E speed dec 25 kn (+56 s) 1922-2002-30



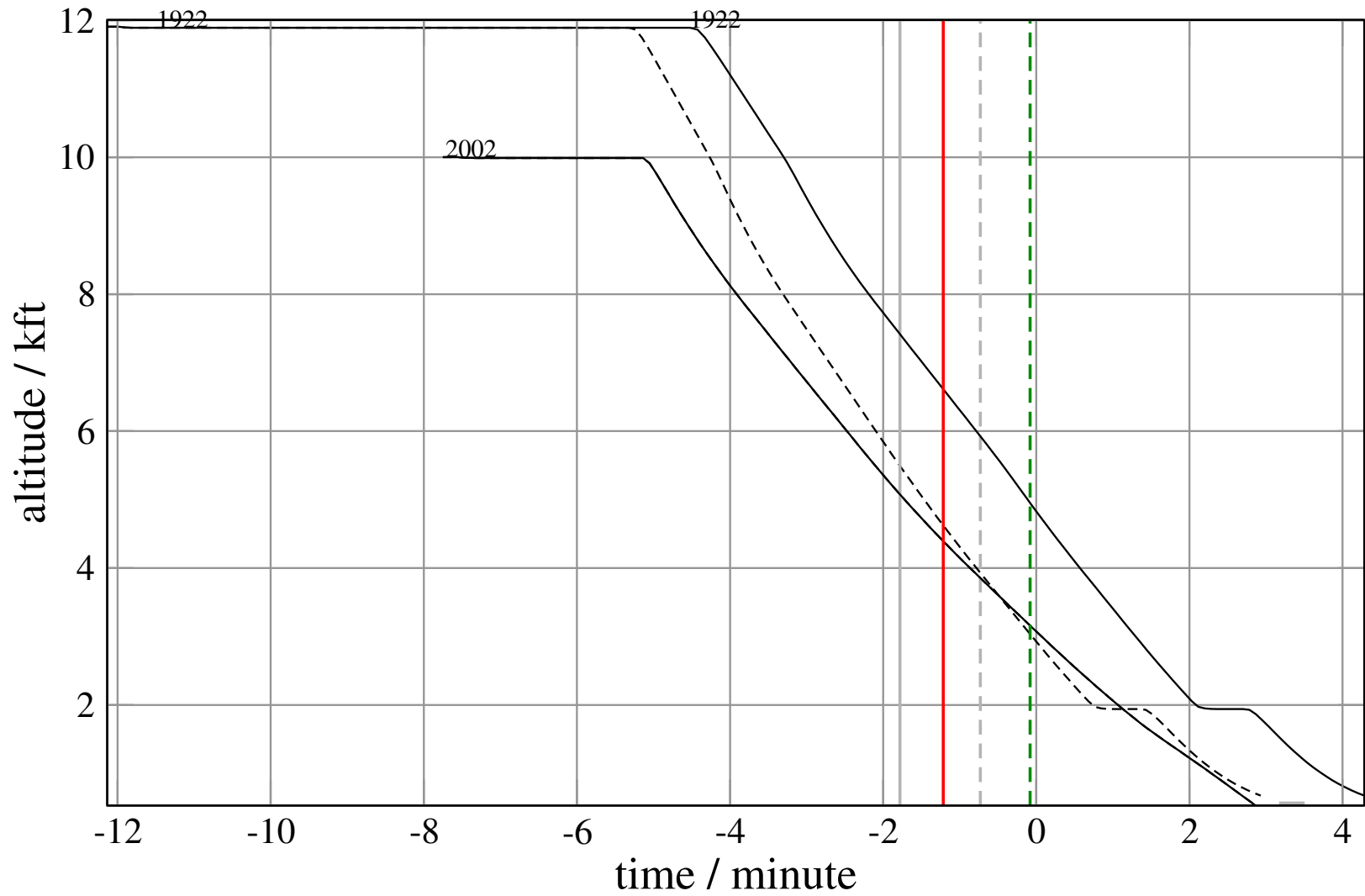
Maneuver Planview

+ A1922E-A2002D 0.384H->1.215V: A1922E speed dec 35 kn (+81 s) 1922-2002-31



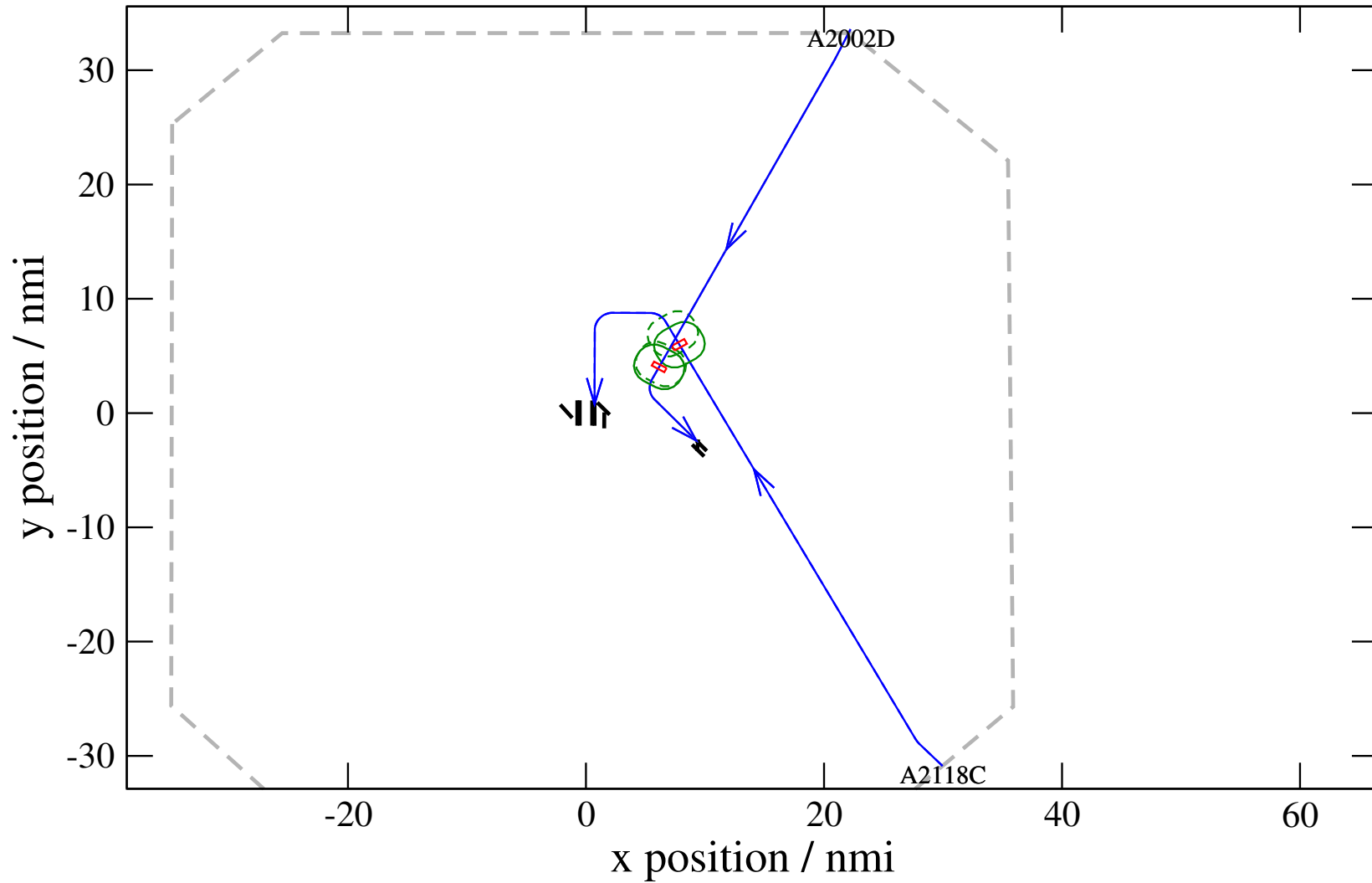
Maneuver Altitude Profiles

+ A1922E-A2002D 0.384H->1.215V: A1922E speed dec 35 kn (+81 s) 1922-2002-31



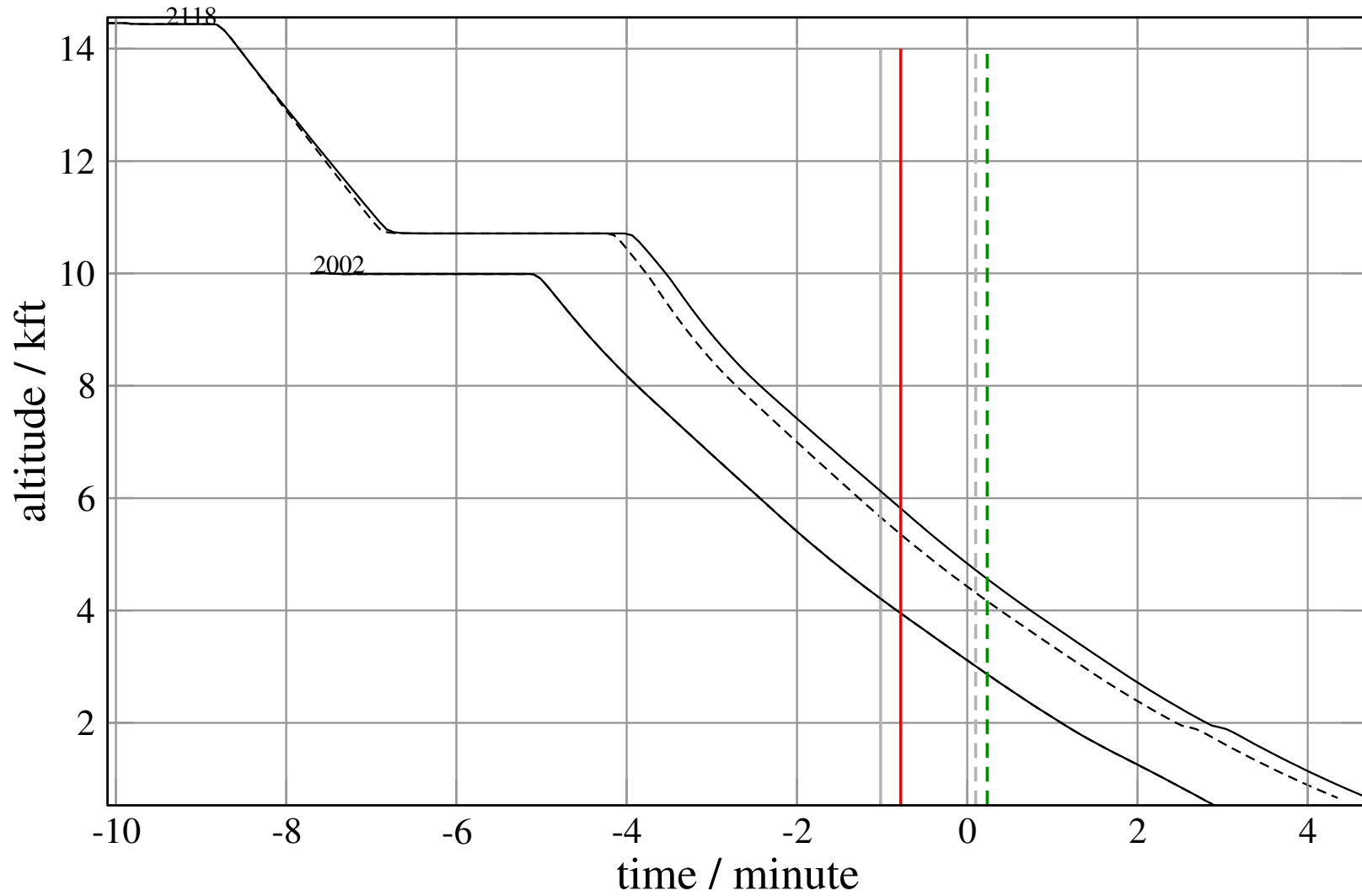
Maneuver Planview

+ A2118C-A2002D 0.794V->1.198V: A2118C speed dec 12 kn (+21 s) 2118-2002-27



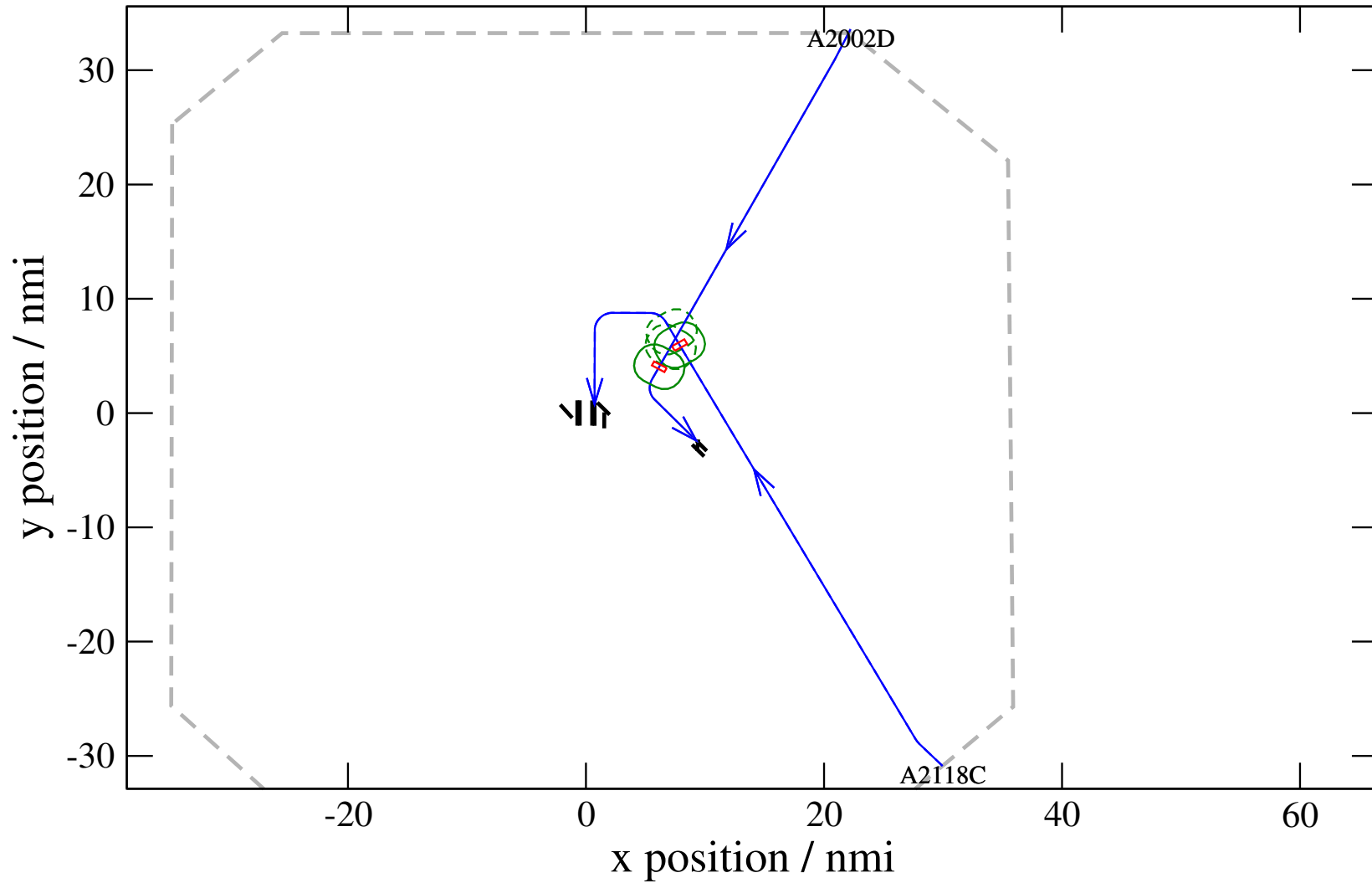
Maneuver Altitude Profiles

+ A2118C-A2002D 0.794V->1.198V: A2118C speed dec 12 kn (+21 s) 2118-2002-27



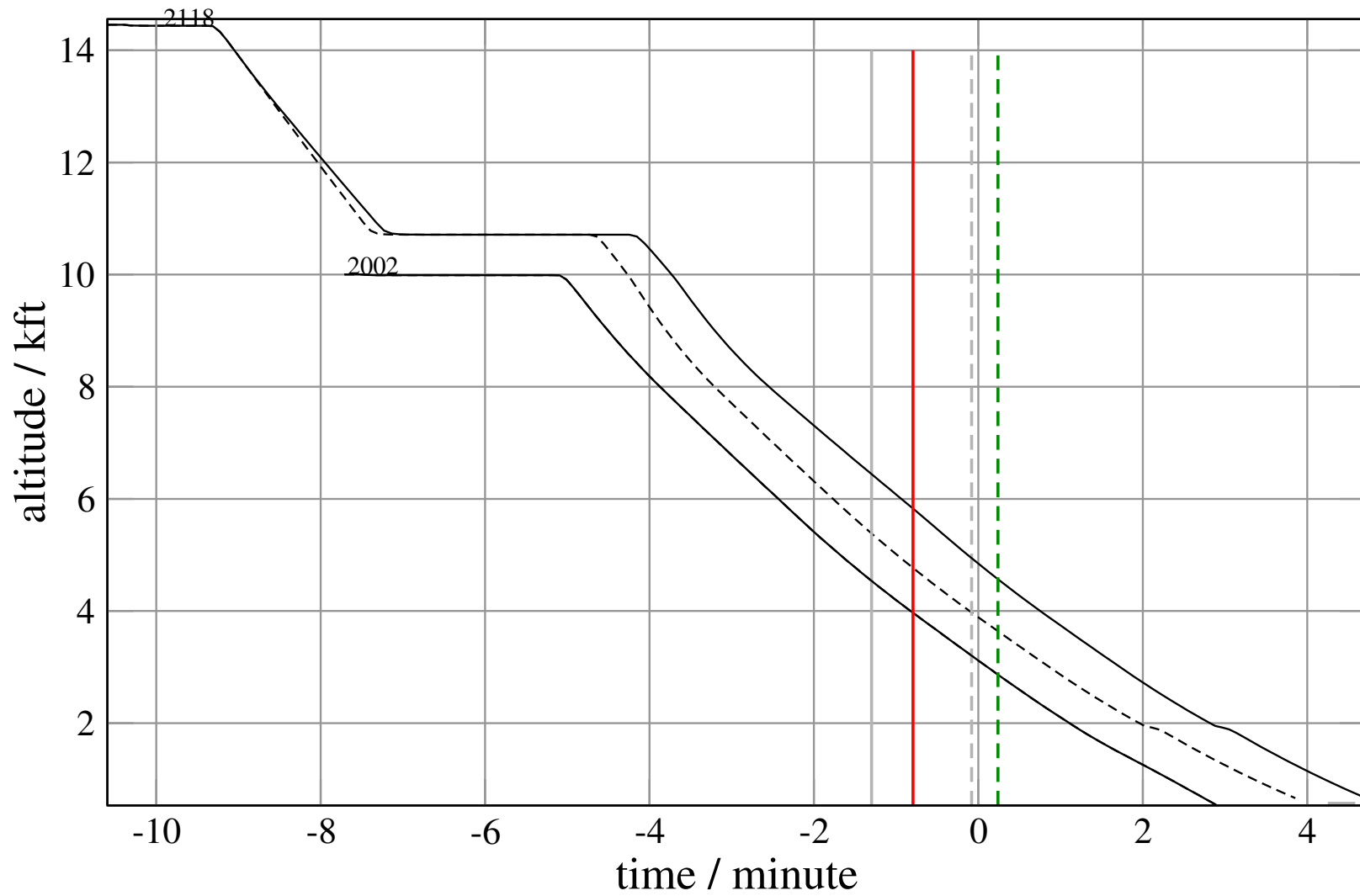
Maneuver Planview

+ A2118C-A2002D 0.257V->1.202V: A2118C speed dec 27 kn (+52 s) 2118-2002-28



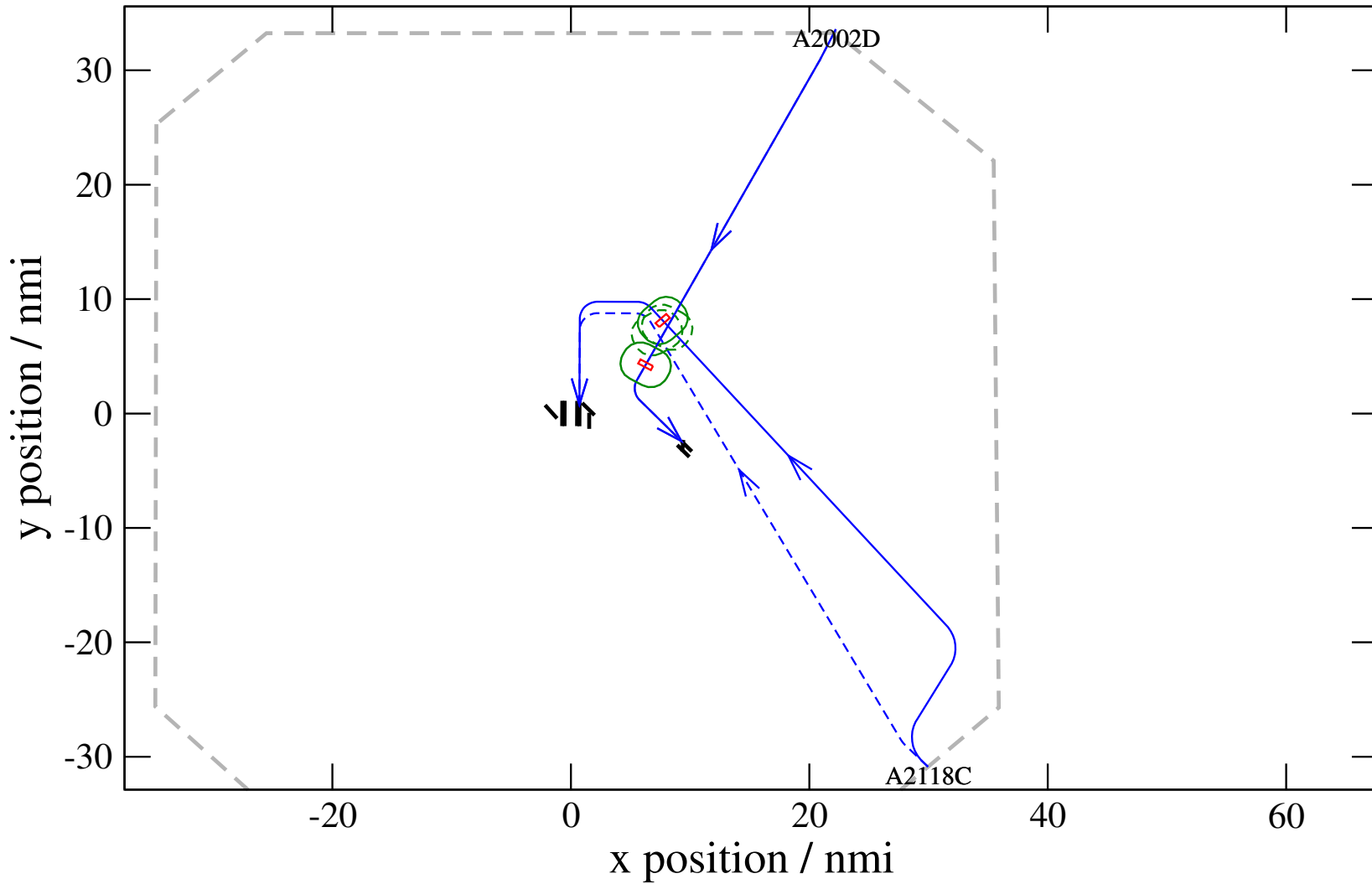
Maneuver Altitude Profiles

+ A2118C-A2002D 0.257V->1.202V: A2118C speed dec 27 kn (+52 s) 2118-2002-28



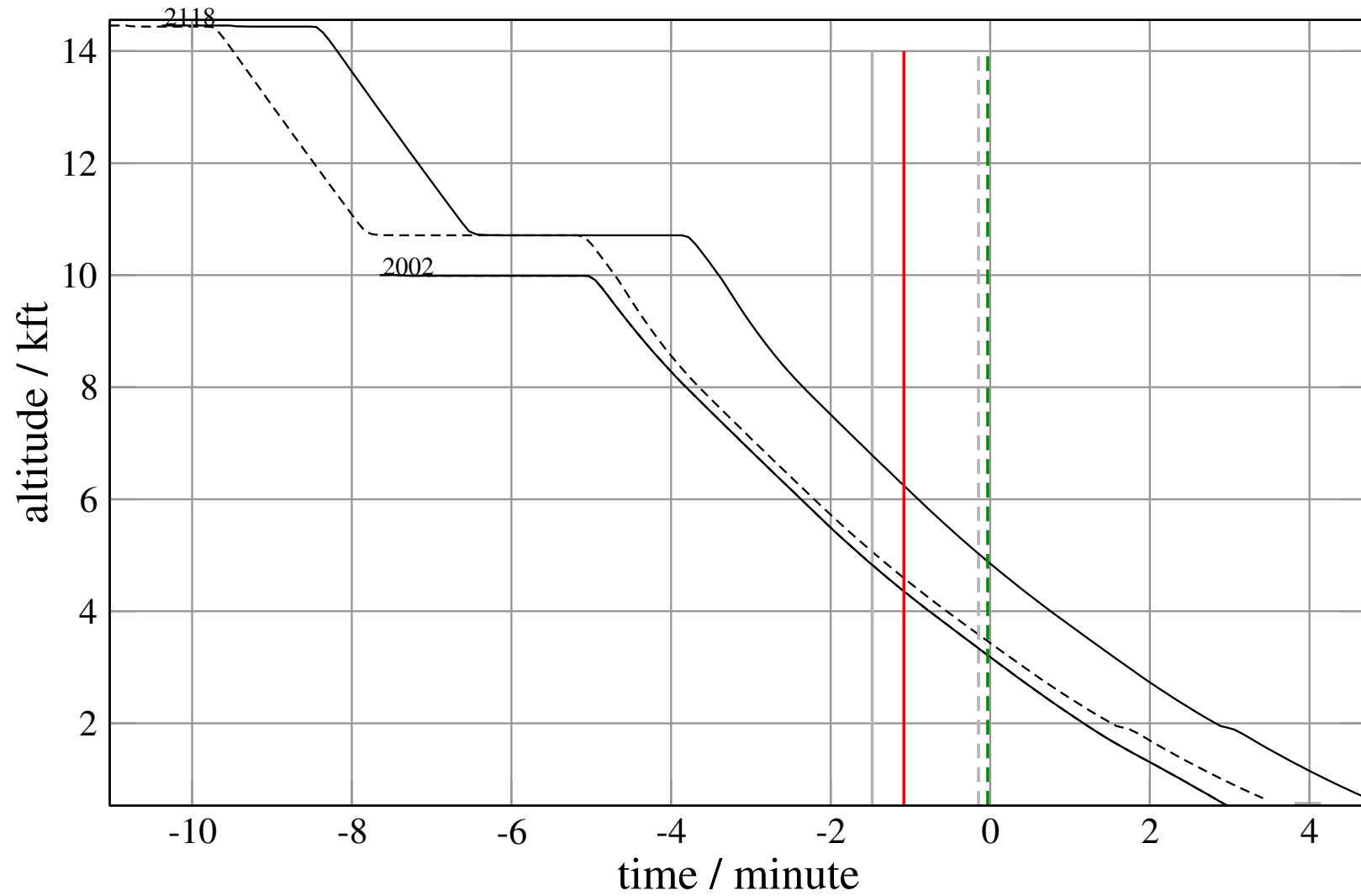
Maneuver Planview

+ A2118C-A2002D 0.000H->1.143V: A2118C reroute 60 deg, 10 nm, 9 nm (+78 s) 2118-2002-29



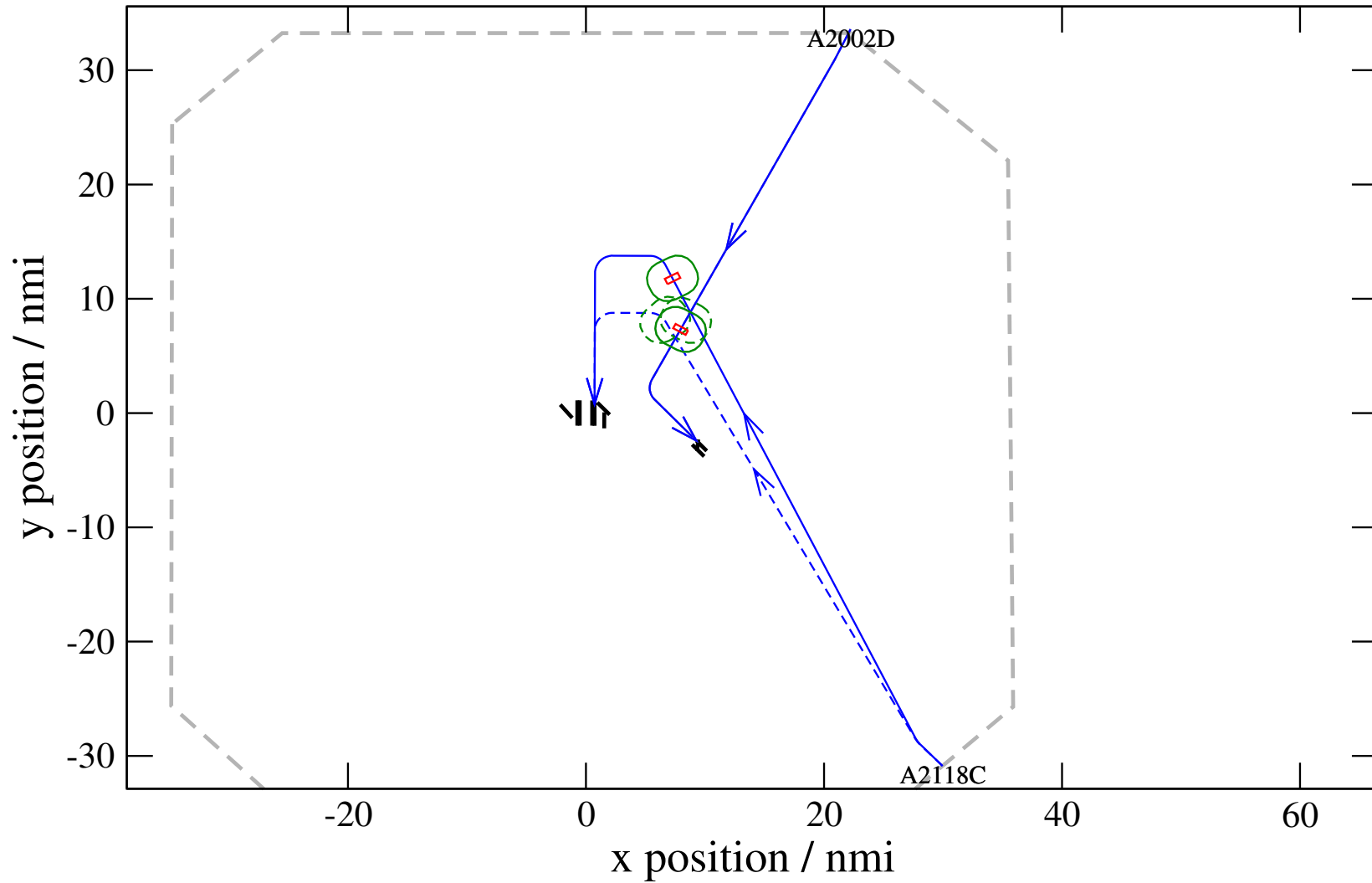
Maneuver Altitude Profiles

+ A2118C-A2002D 0.000H->1.143V: A2118C reroute 60 deg, 10 nm, 9 nm (+78 s) 2118-2002-29



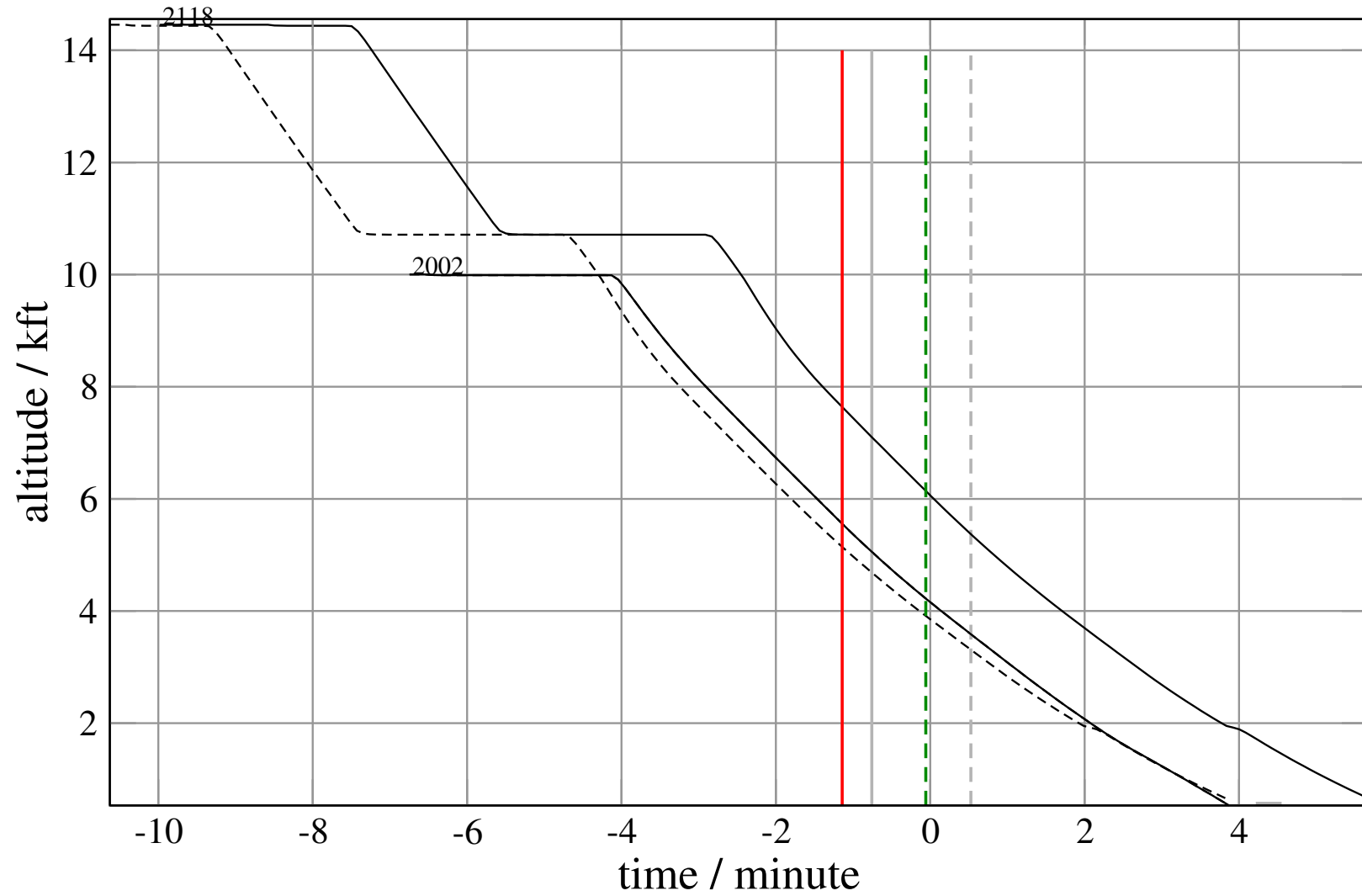
Maneuver Planview

+ A2118C-A2002D 0.167H->1.366V: A2118C reroute 0 deg, 6 nm, 13 nm (+111 s) 2118-2002-30



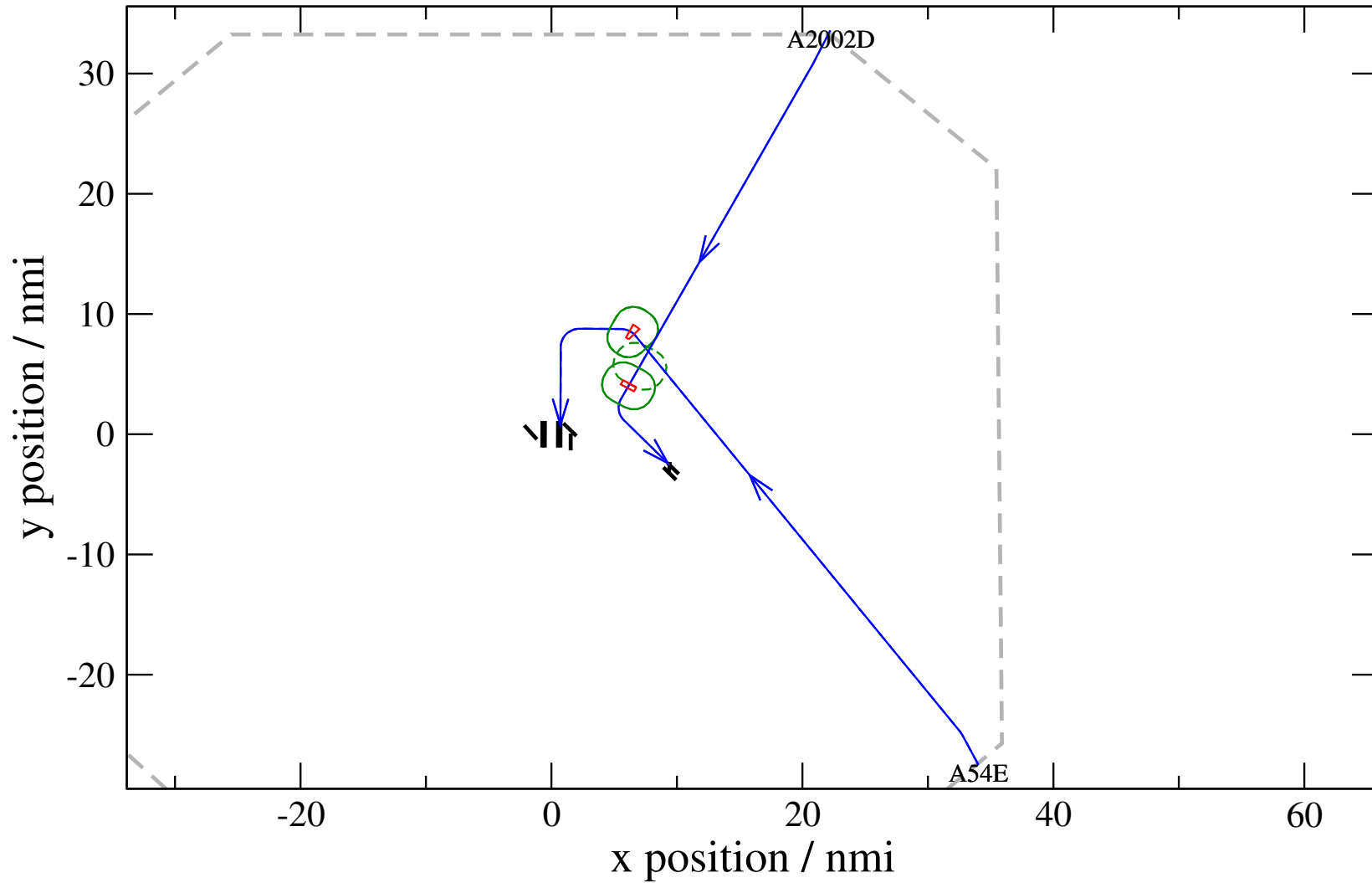
Maneuver Altitude Profiles

+ A2118C-A2002D 0.167H->1.366V: A2118C reroute 0 deg, 6 nm, 13 nm (+111 s) 2118-2002-30



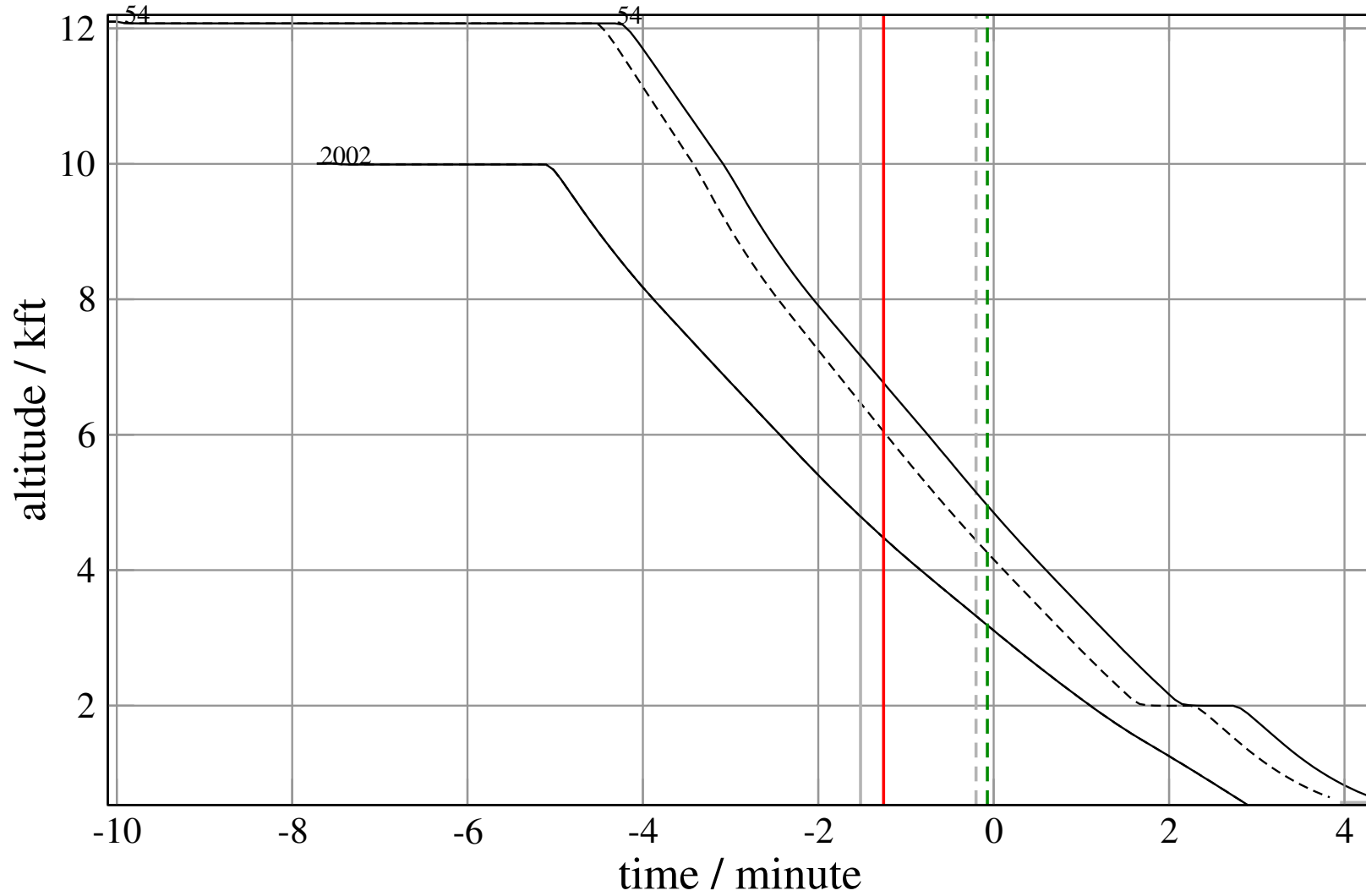
Maneuver Planview

+ A54E-A2002D 0.684V->1.200V: A54E speed dec 15 kn (+29 s) 54-2002-27



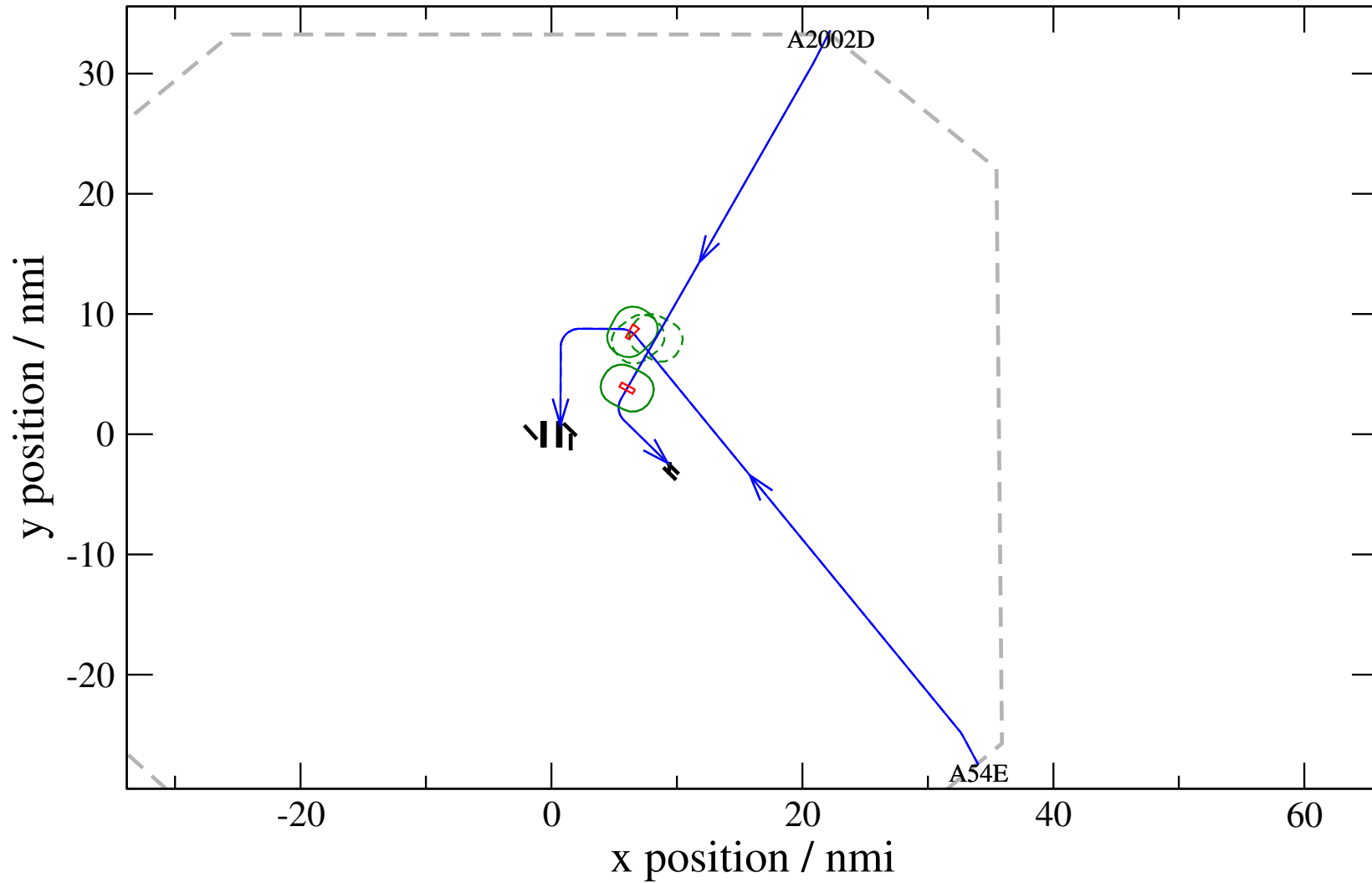
Maneuver Altitude Profiles

+ A54E-A2002D 0.684V->1.200V: A54E speed dec 15 kn (+29 s) 54-2002-27



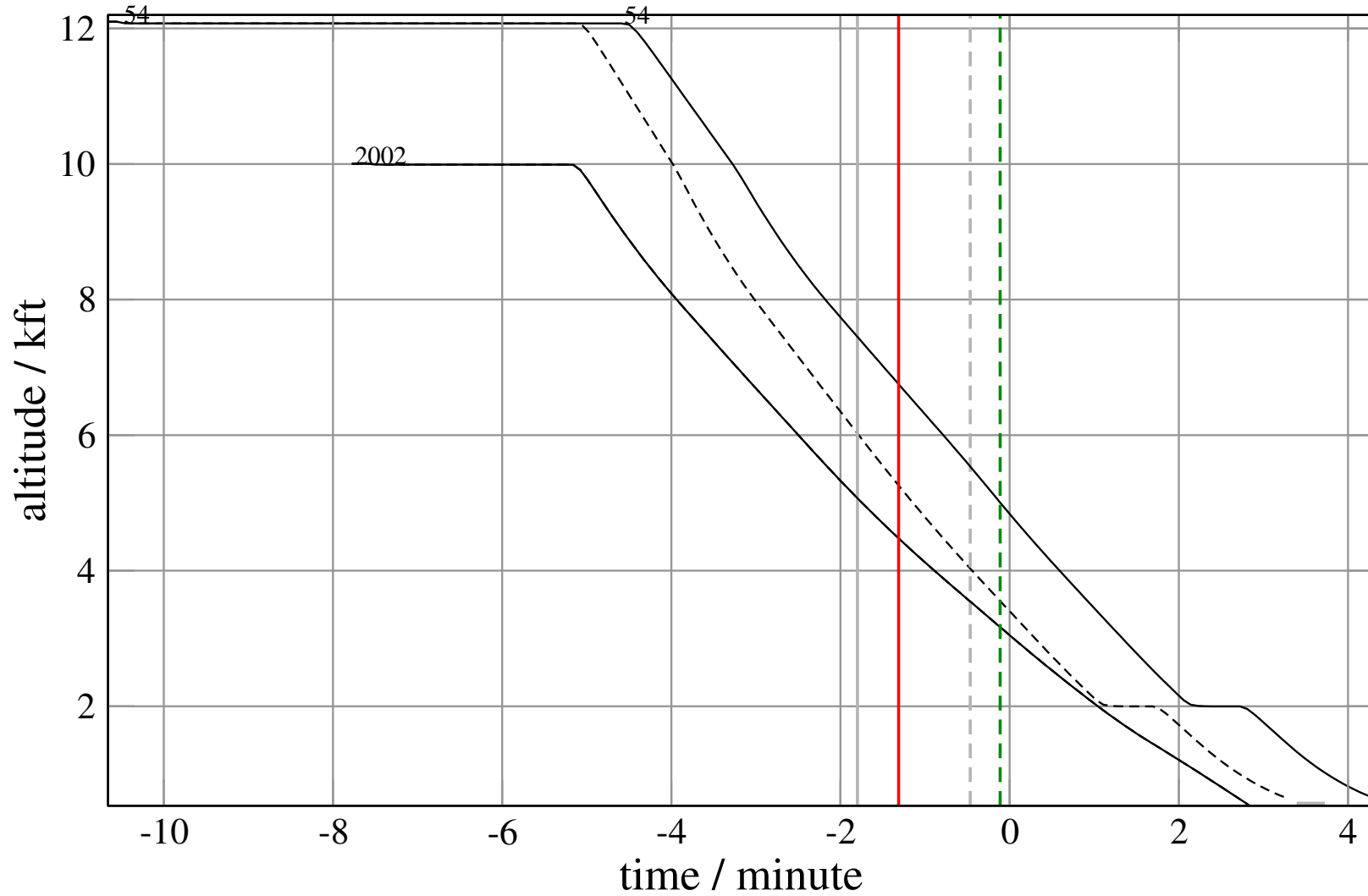
Maneuver Planview

+ A54E-A2002D 0.223H->1.260V: A54E speed dec 30 kn (+62 s) 54-2002-28



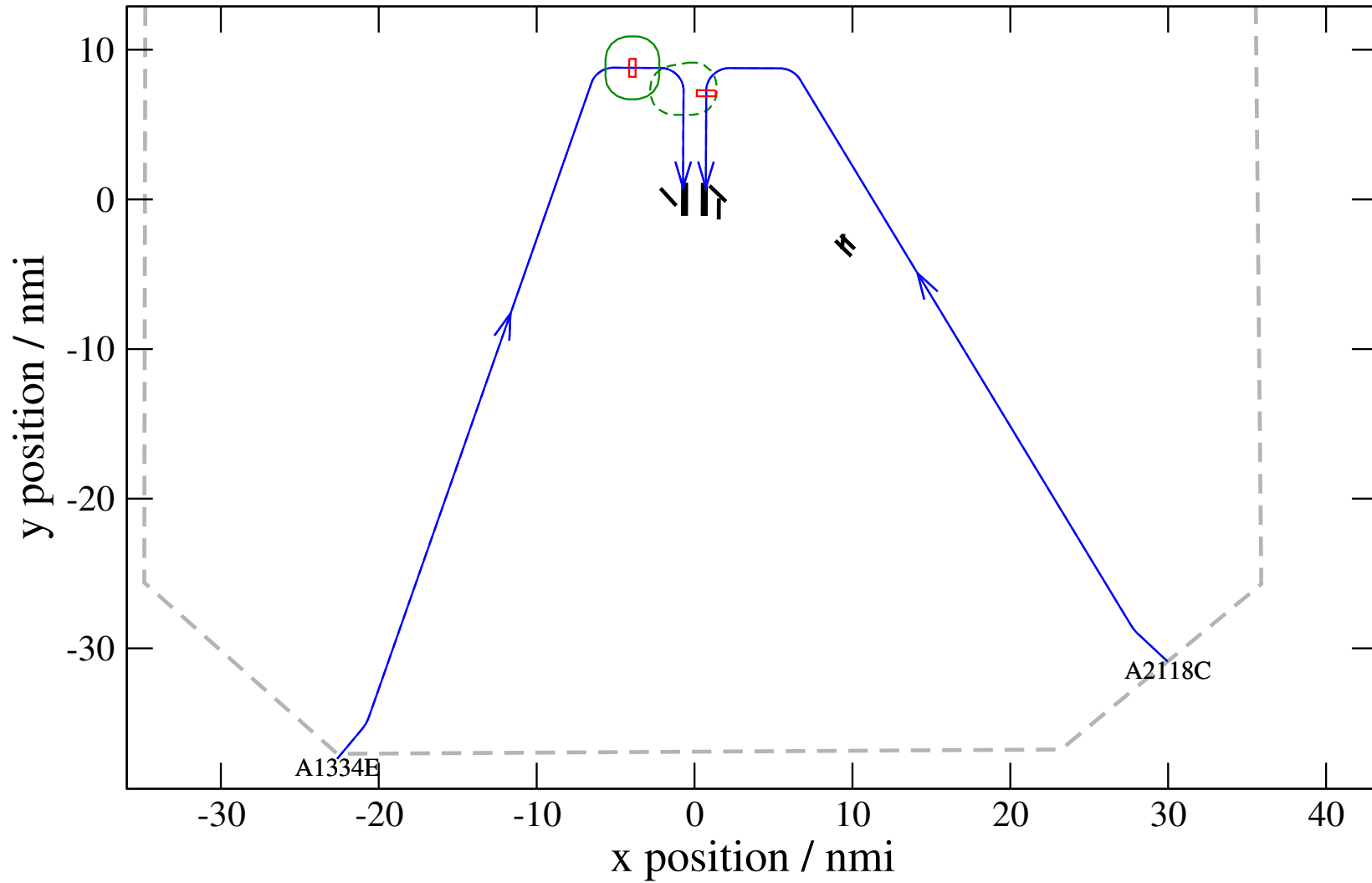
Maneuver Altitude Profiles

+ A54E-A2002D 0.223H->1.260V: A54E speed dec 30 kn (+62 s) 54-2002-28



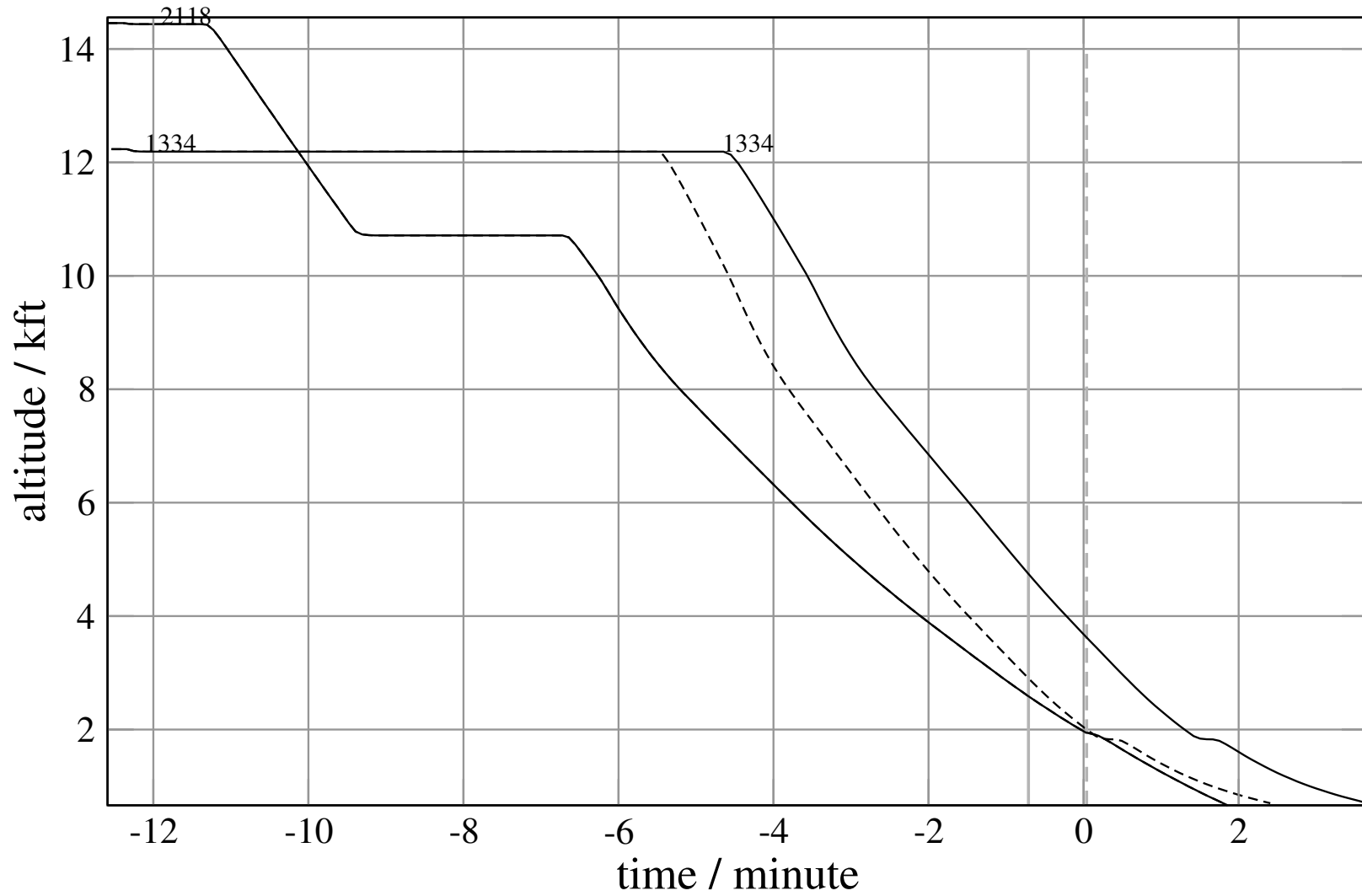
Maneuver Planview

+ A1334E-A2118C 0.081H->1.333V: A1334E speed dec 35 kn (+76 s) 2118-1334-31



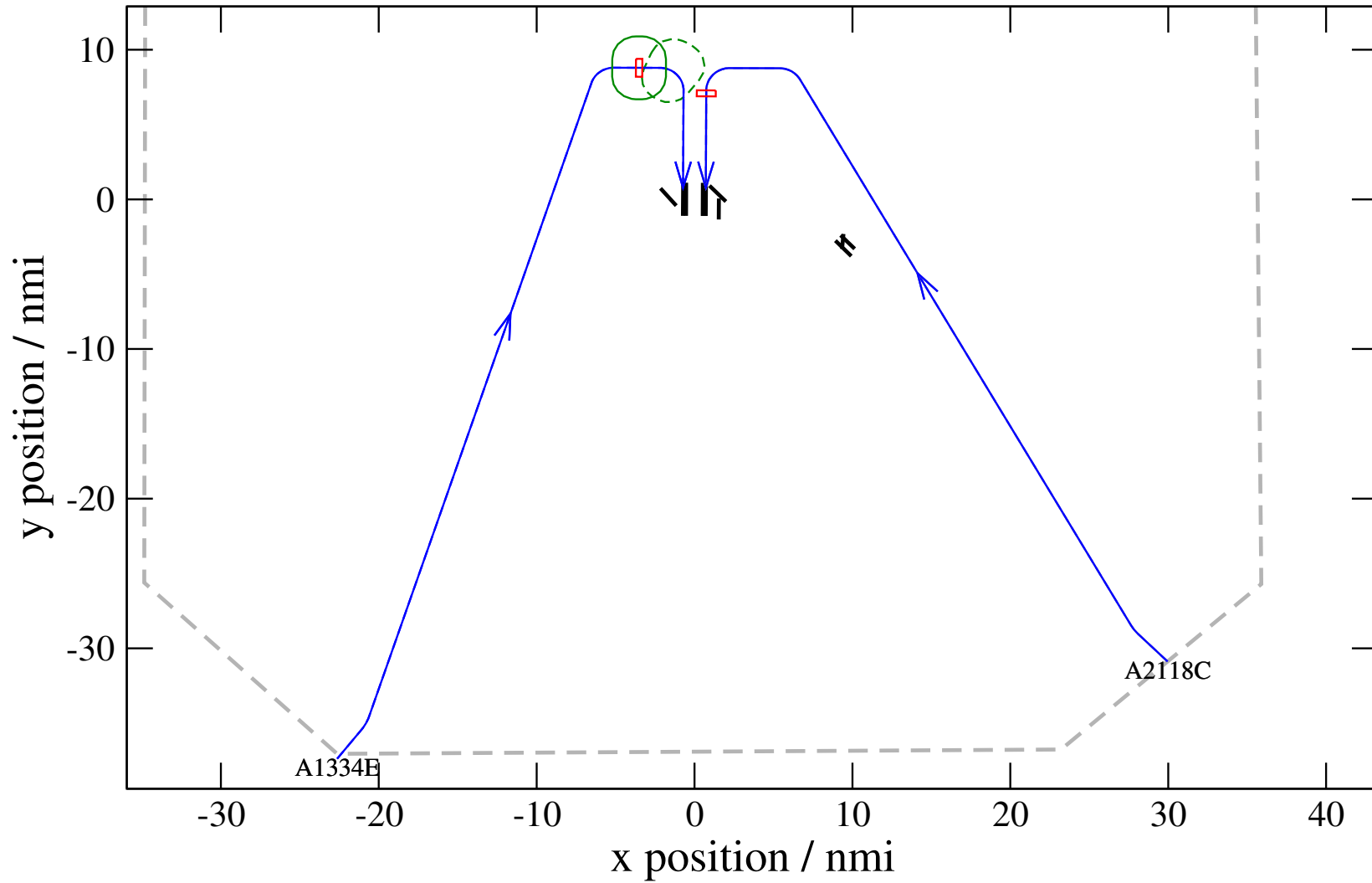
Maneuver Altitude Profiles

+ A1334E-A2118C 0.081H->1.333V: A1334E speed dec 35 kn (+76 s) 2118-1334-31



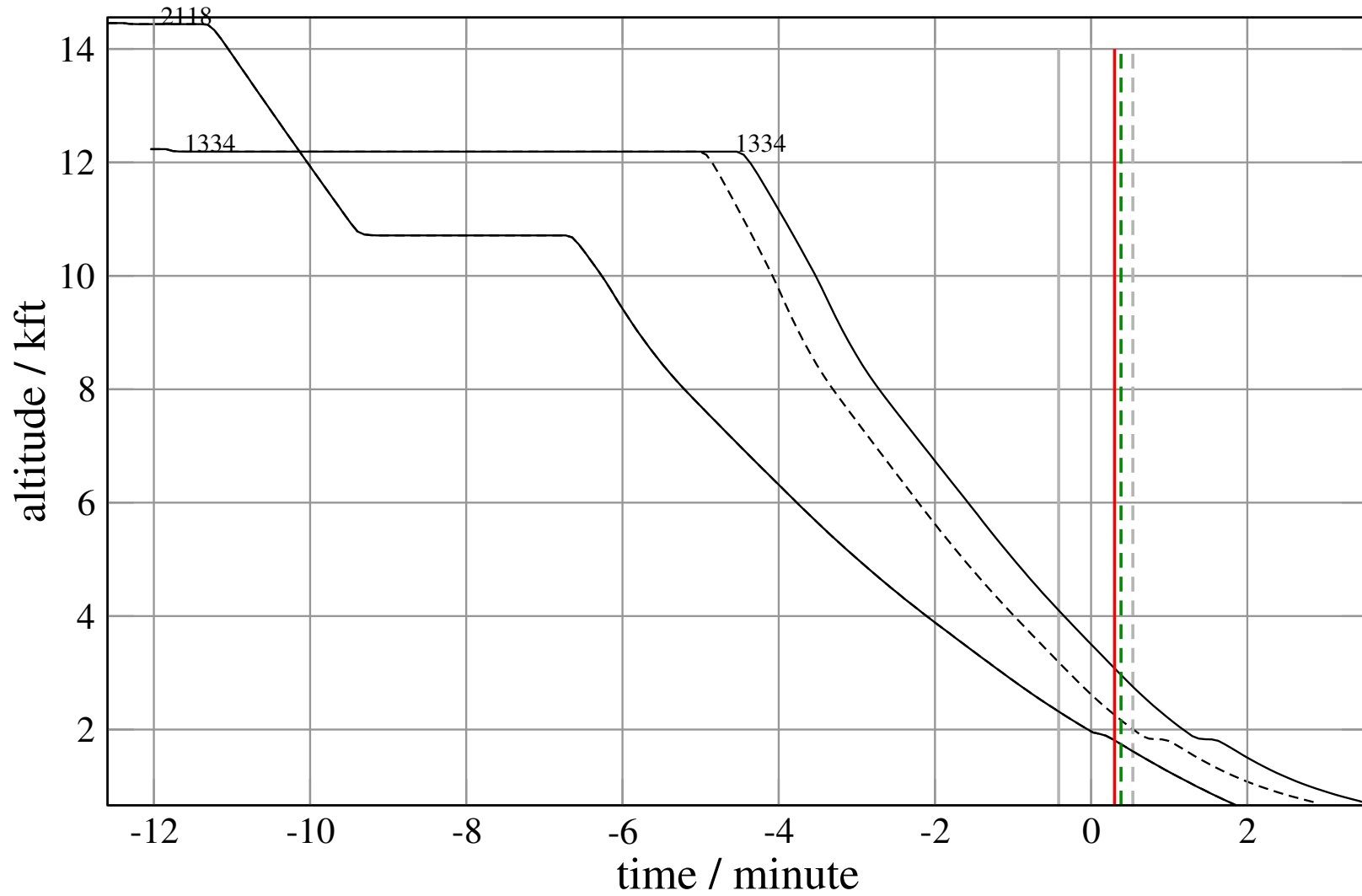
Maneuver Planview

+ A1334E-A2118C 0.602H->1.190H: A1334E speed dec 20 kn (+38 s) 2118-1334-32



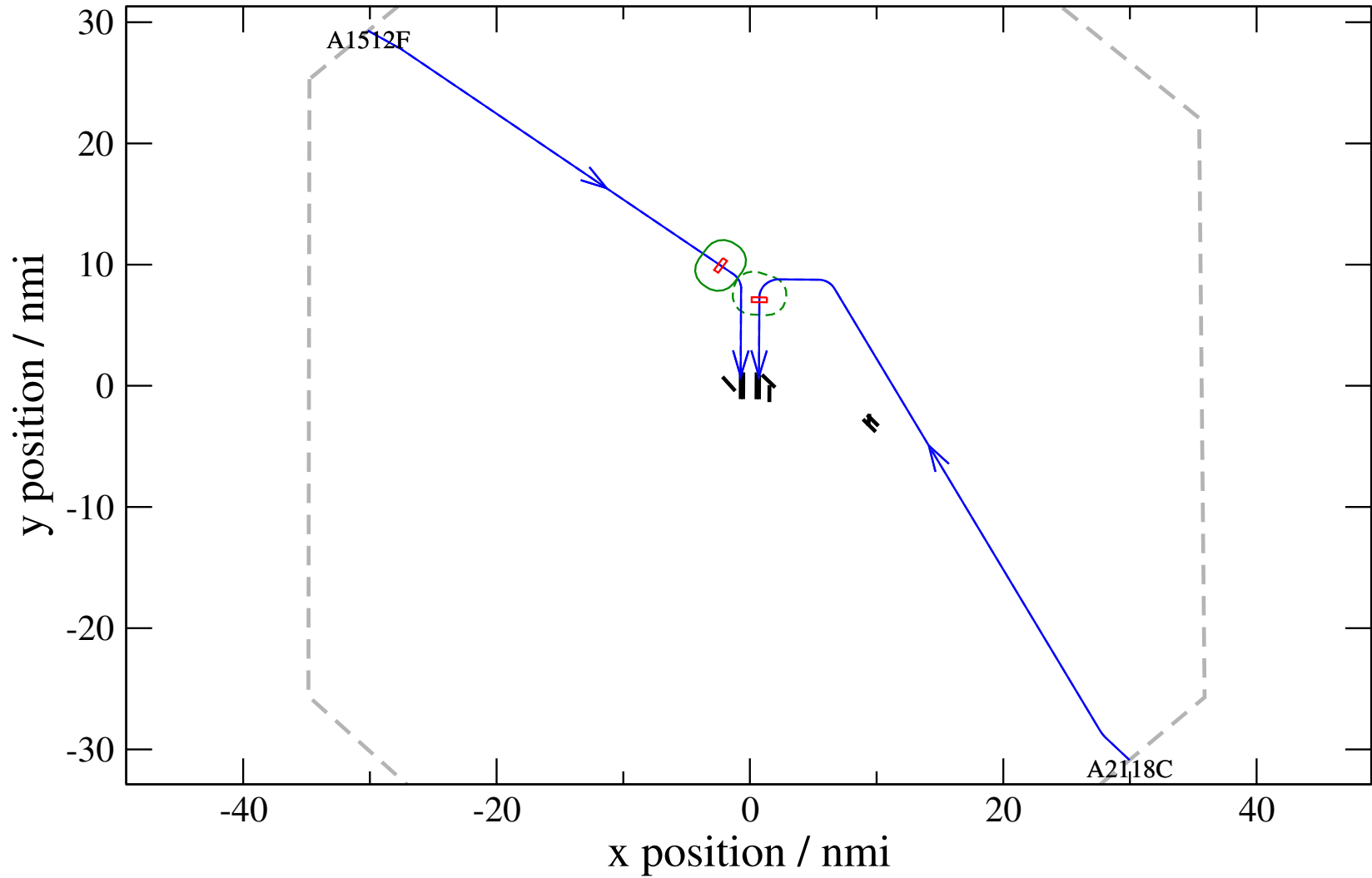
Maneuver Altitude Profiles

+ A1334E-A2118C 0.602H->1.190H: A1334E speed dec 20 kn (+38 s) 2118-1334-32



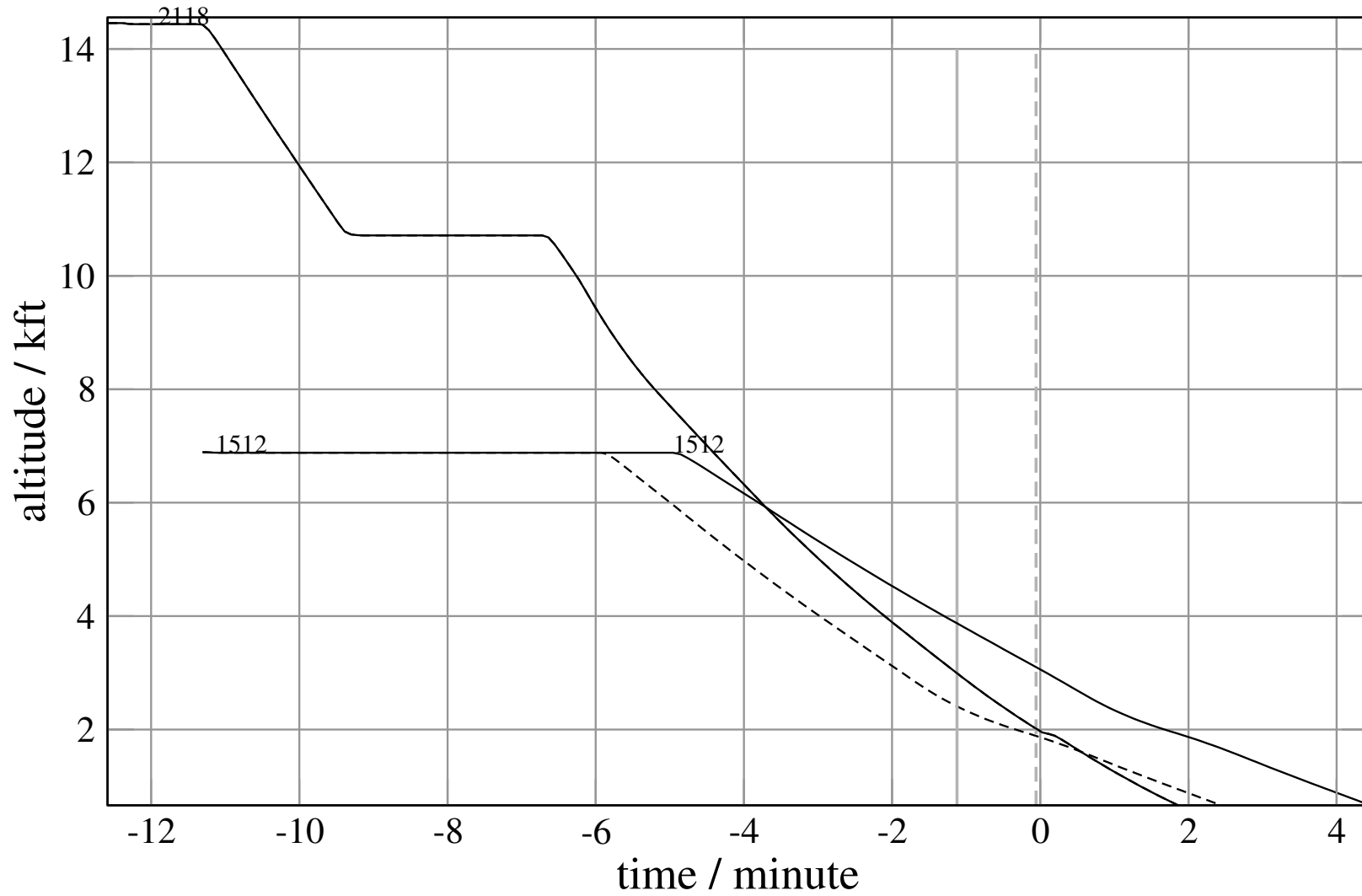
Maneuver Planview

+ A1512F-A2118C 0.870H->1.109H: A1512F speed dec 40 kn (+121 s) 2118-1512-31



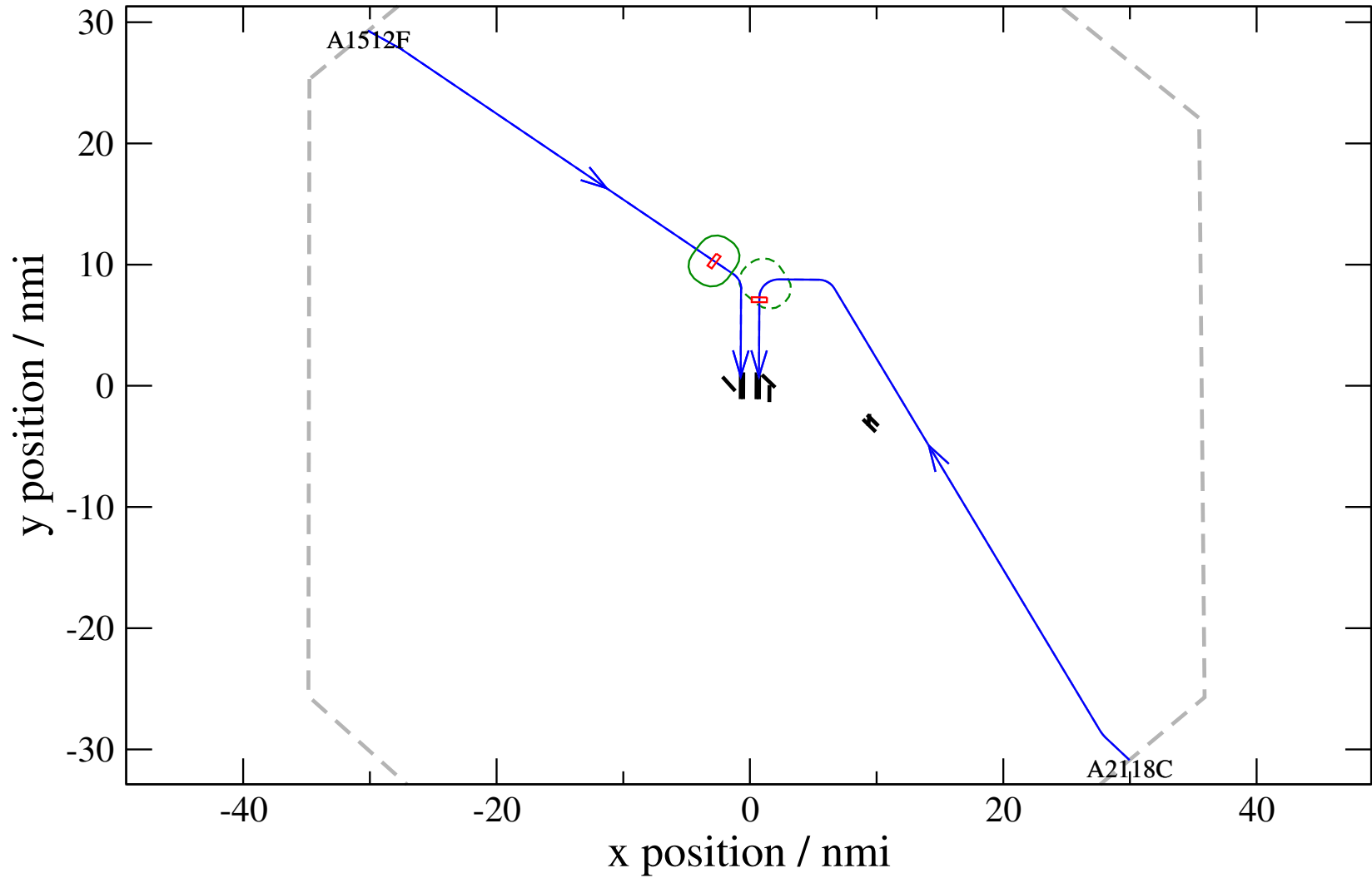
Maneuver Altitude Profiles

+ A1512F-A2118C 0.870H->1.109H: A1512F speed dec 40 kn (+121 s) 2118-1512-31



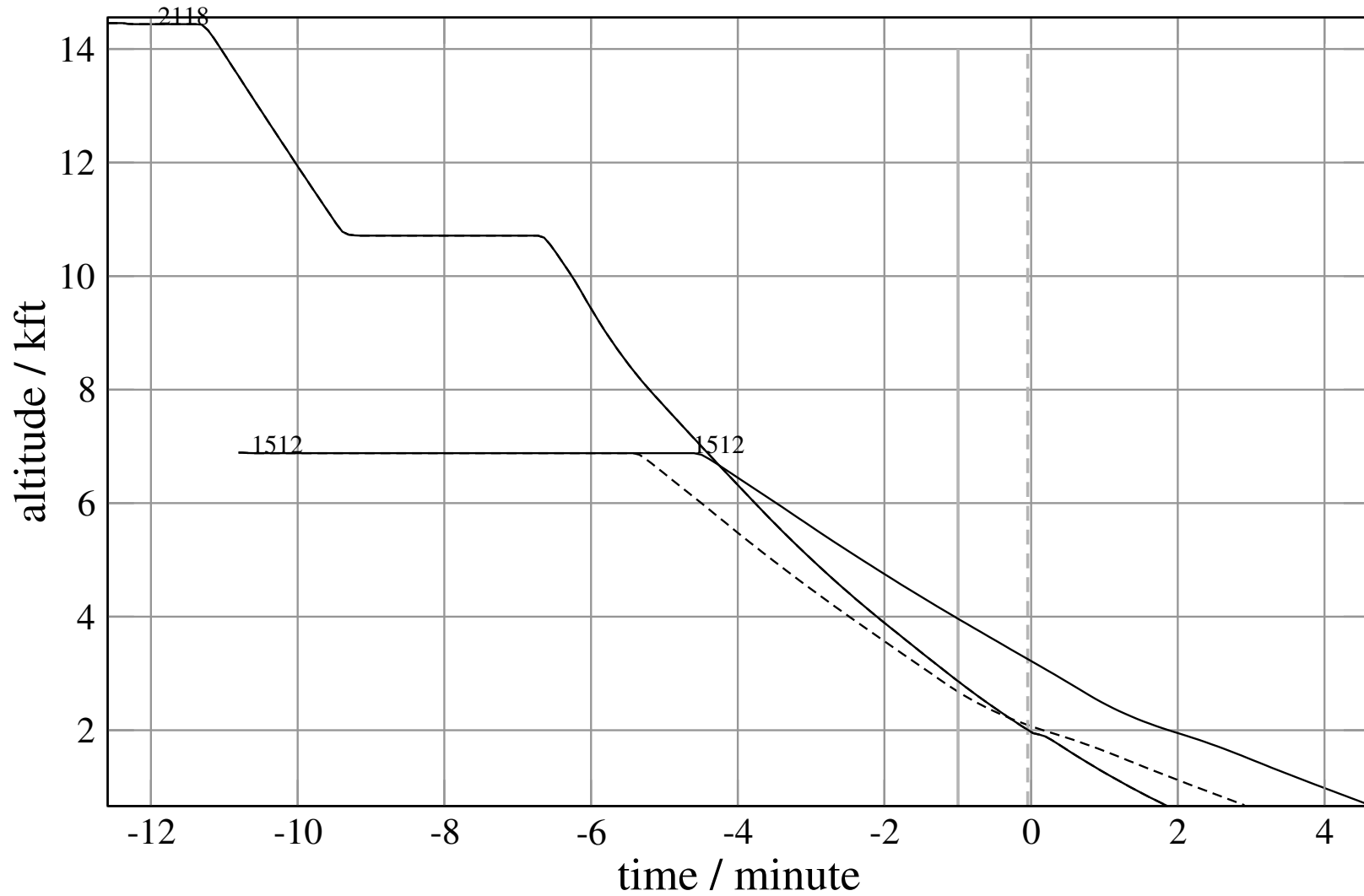
Maneuver Planview

+ A1512F-A2118C 0.332H->1.318H: A1512F speed dec 35 kn (+103 s) 2118-1512-32



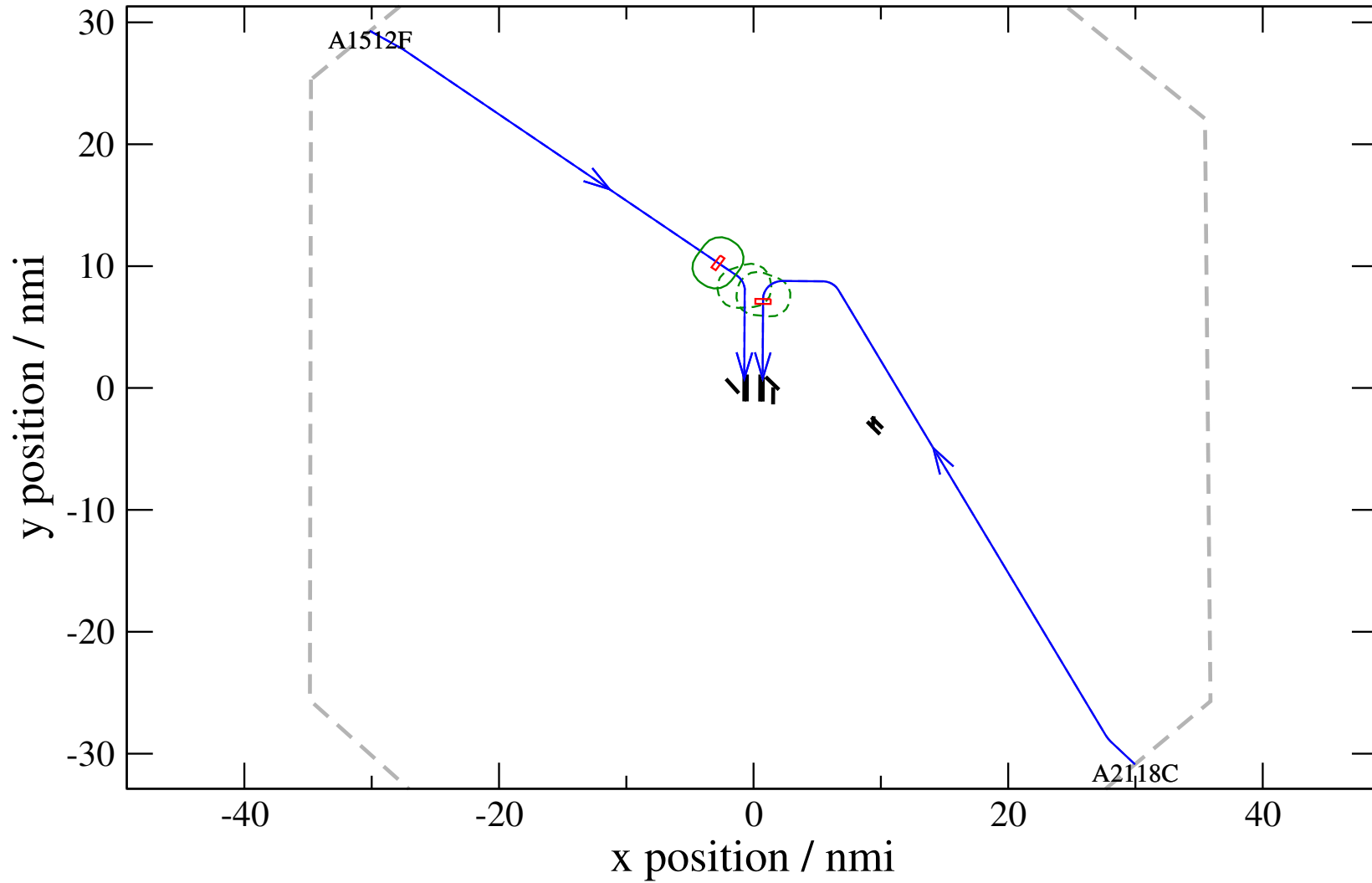
Maneuver Altitude Profiles

+ A1512F-A2118C 0.332H->1.318H: A1512F speed dec 35 kn (+103 s) 2118-1512-32



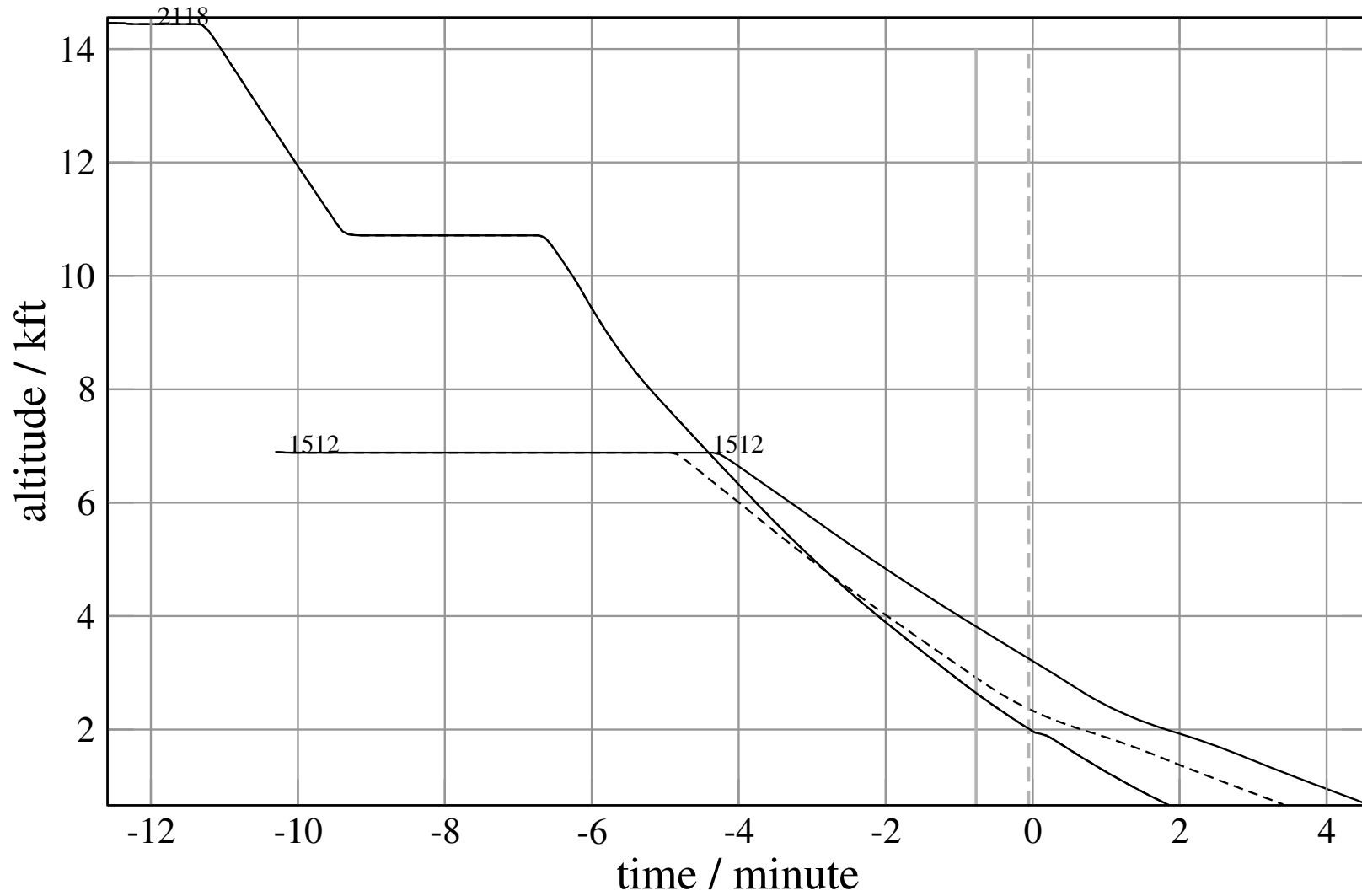
Maneuver Planview

+ A1512F-A2118C 0.134H->1.303H: A1512F speed dec 25 kn (+69 s) 2118-1512-33



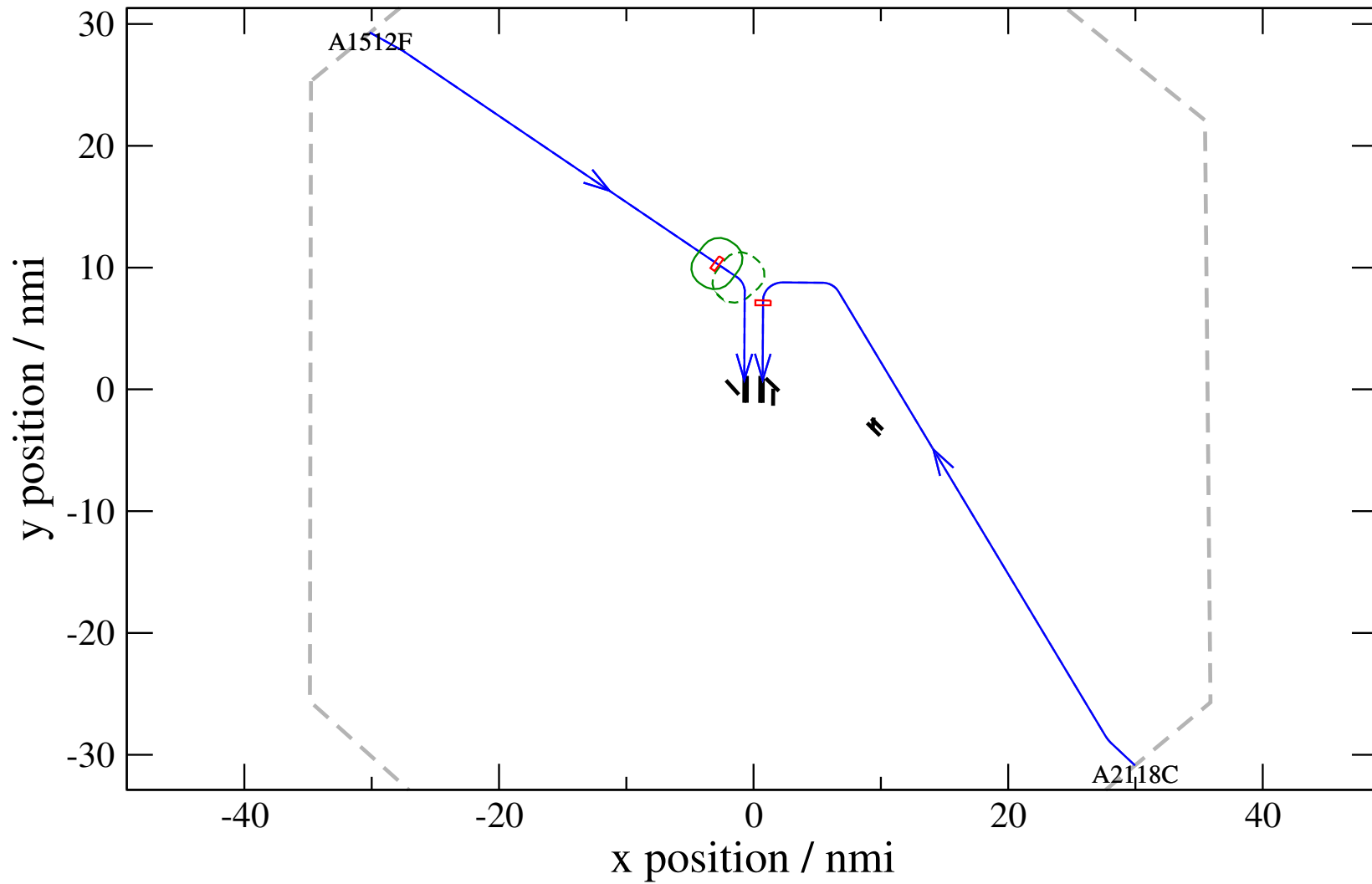
Maneuver Altitude Profiles

+ A1512F-A2118C 0.134H->1.303H: A1512F speed dec 25 kn (+69 s) 2118-1512-33



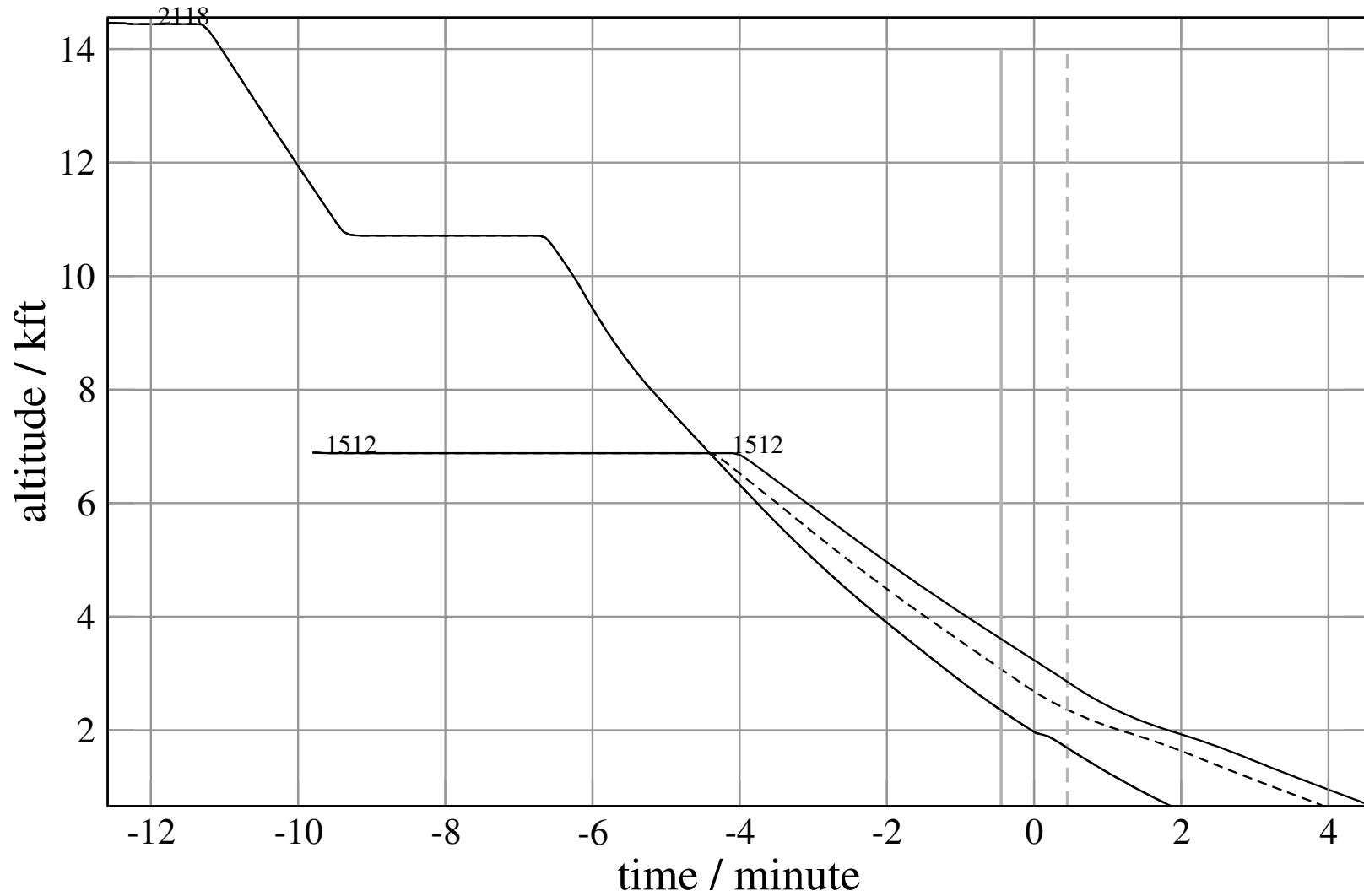
Maneuver Planview

+ A1512F-A2118C 0.666H->1.336H: A1512F speed dec 15 kn (+39 s) 2118-1512-34



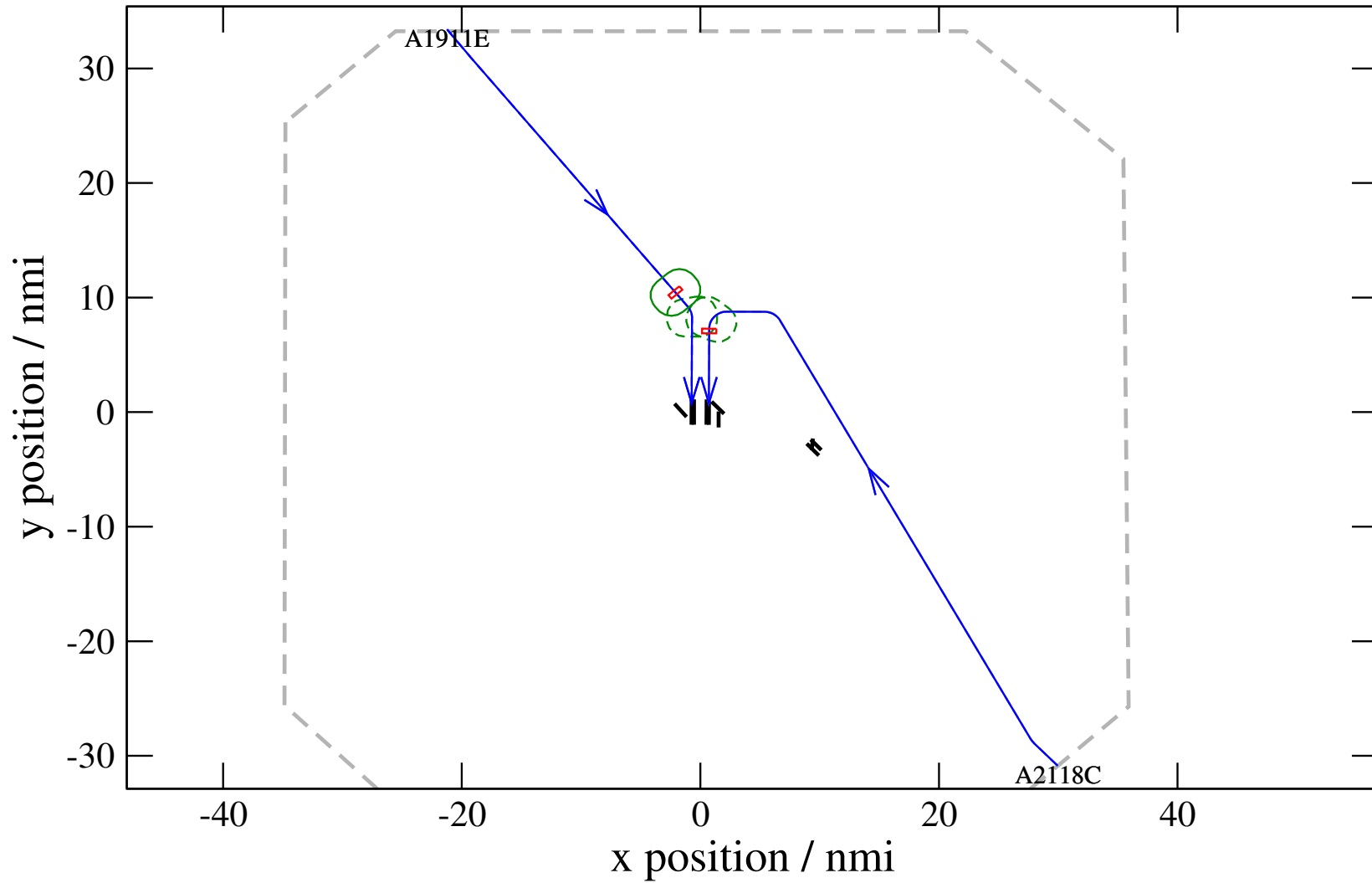
Maneuver Altitude Profiles

+ A1512F-A2118C 0.666H->1.336H: A1512F speed dec 15 kn (+39 s) 2118-1512-34



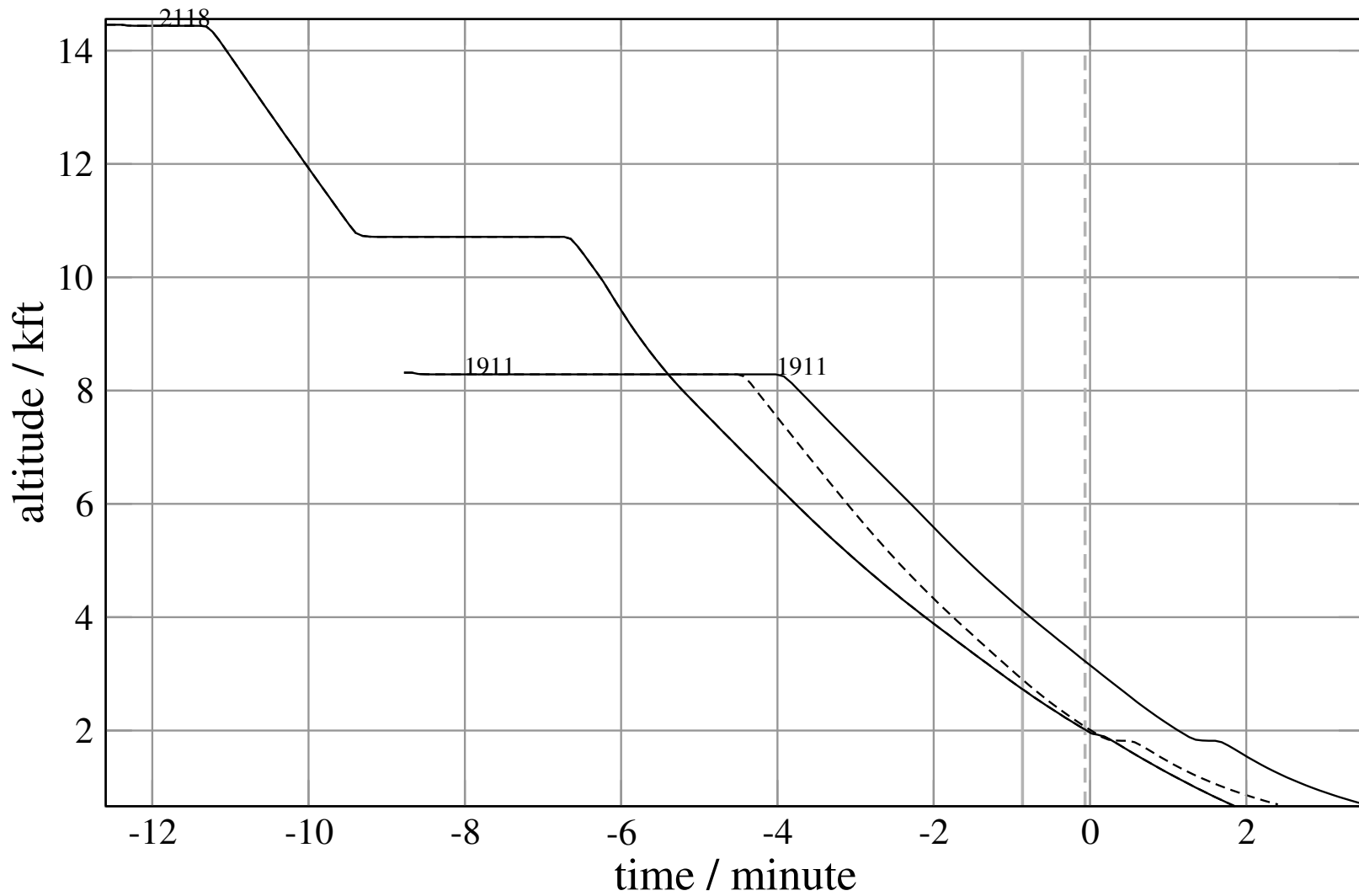
Maneuver Planview

+ A1911E-A2118C 0.144H->1.219H: A1911E speed dec 45 kn (+67 s) 2118-1911-31



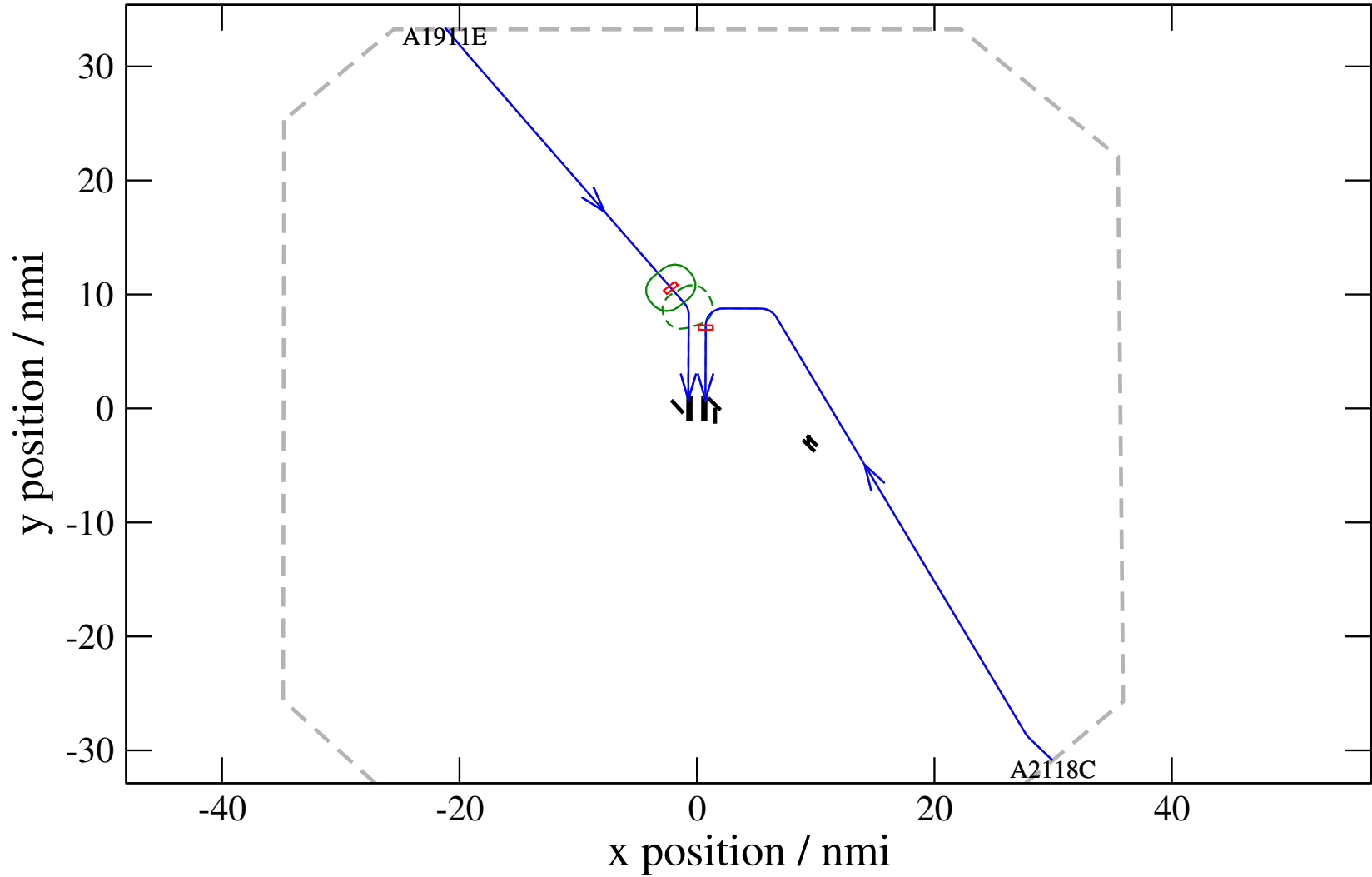
Maneuver Altitude Profiles

+ A1911E-A2118C 0.144H->1.219H: A1911E speed dec 45 kn (+67 s) 2118-1911-31



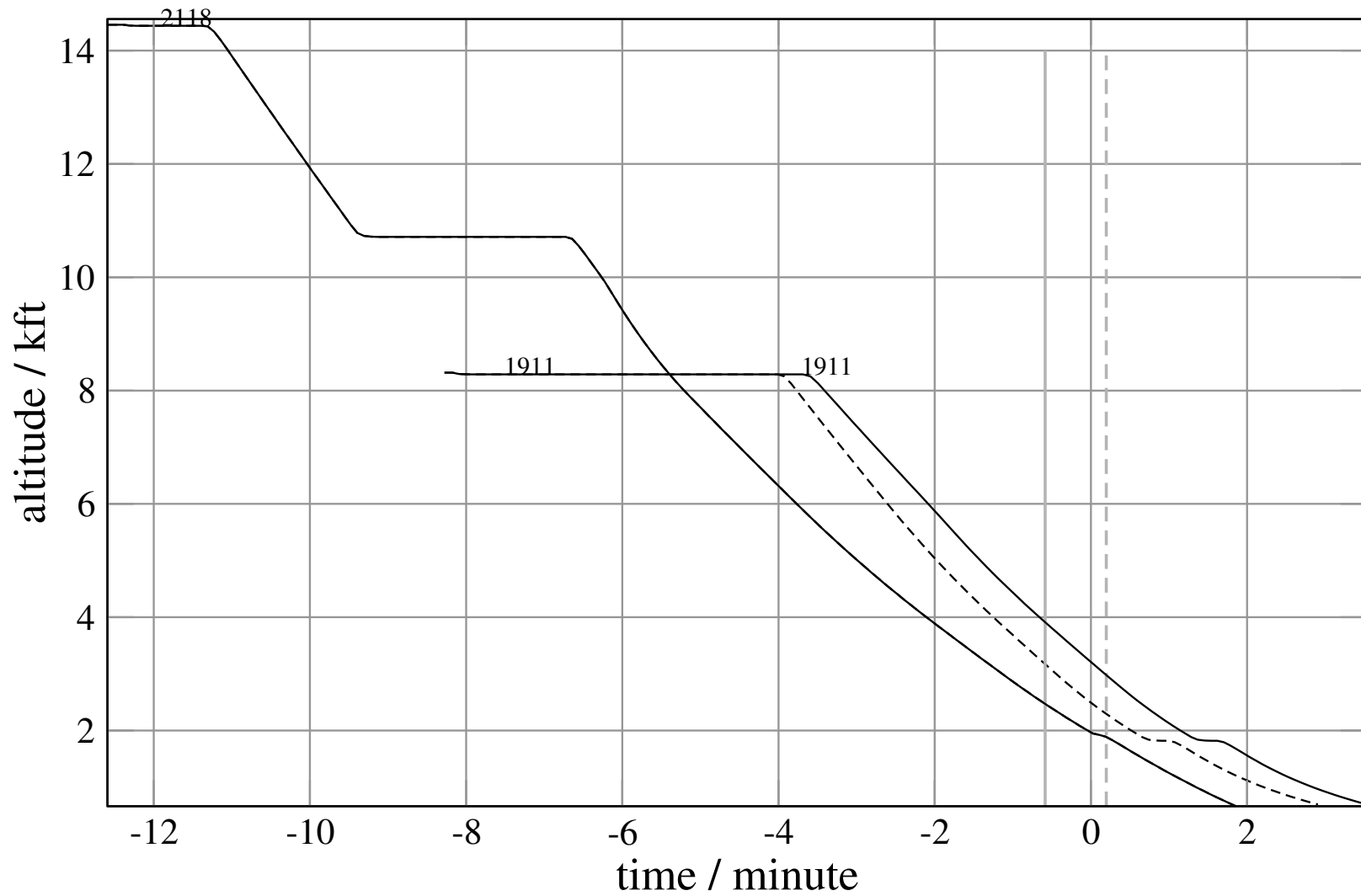
Maneuver Planview

+ A1911E-A2118C 0.511H->1.274H: A1911E speed dec 30 kn (+38 s) 2118-1911-32



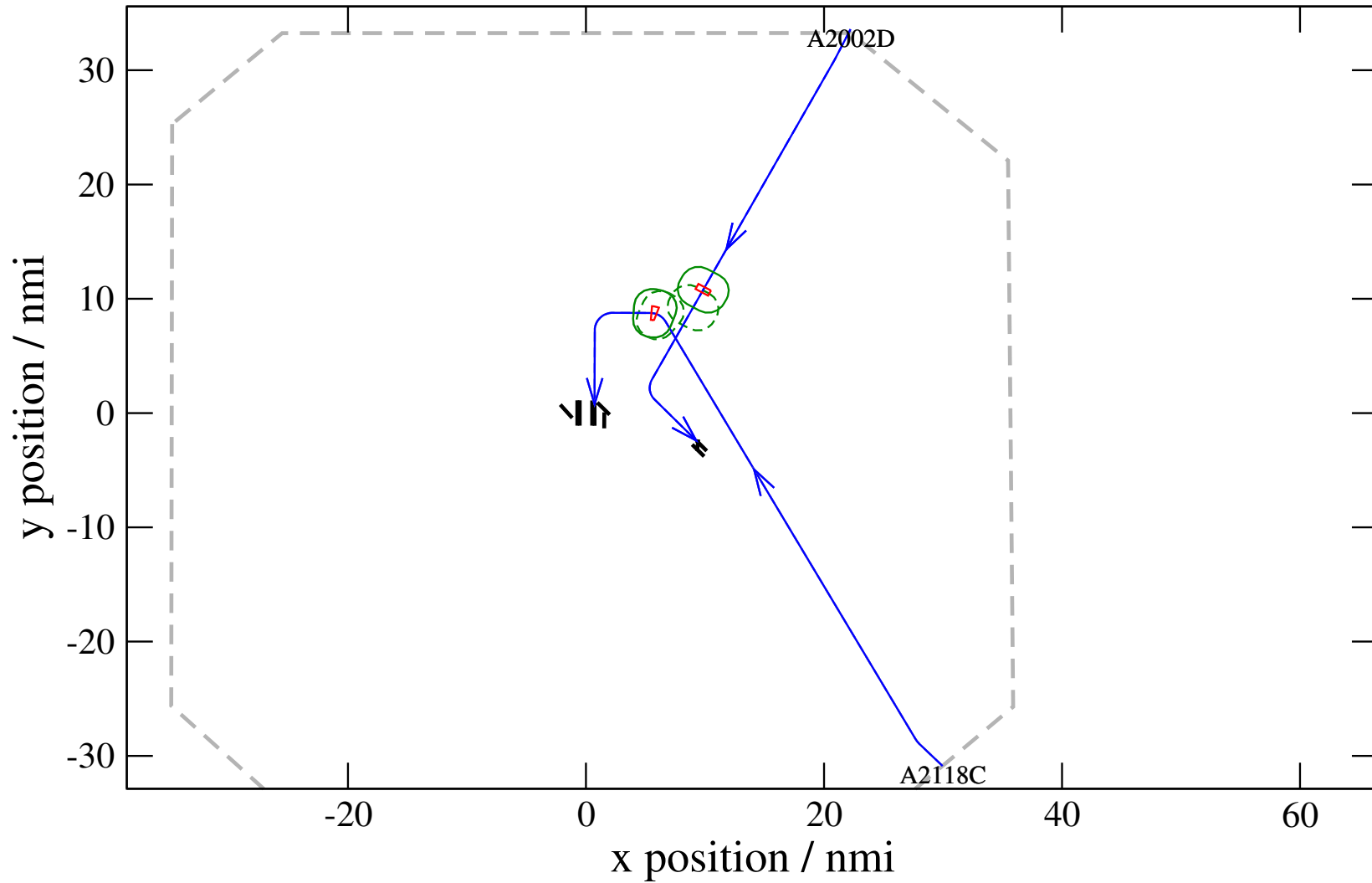
Maneuver Altitude Profiles

+ A1911E-A2118C 0.511H->1.274H: A1911E speed dec 30 kn (+38 s) 2118-1911-32



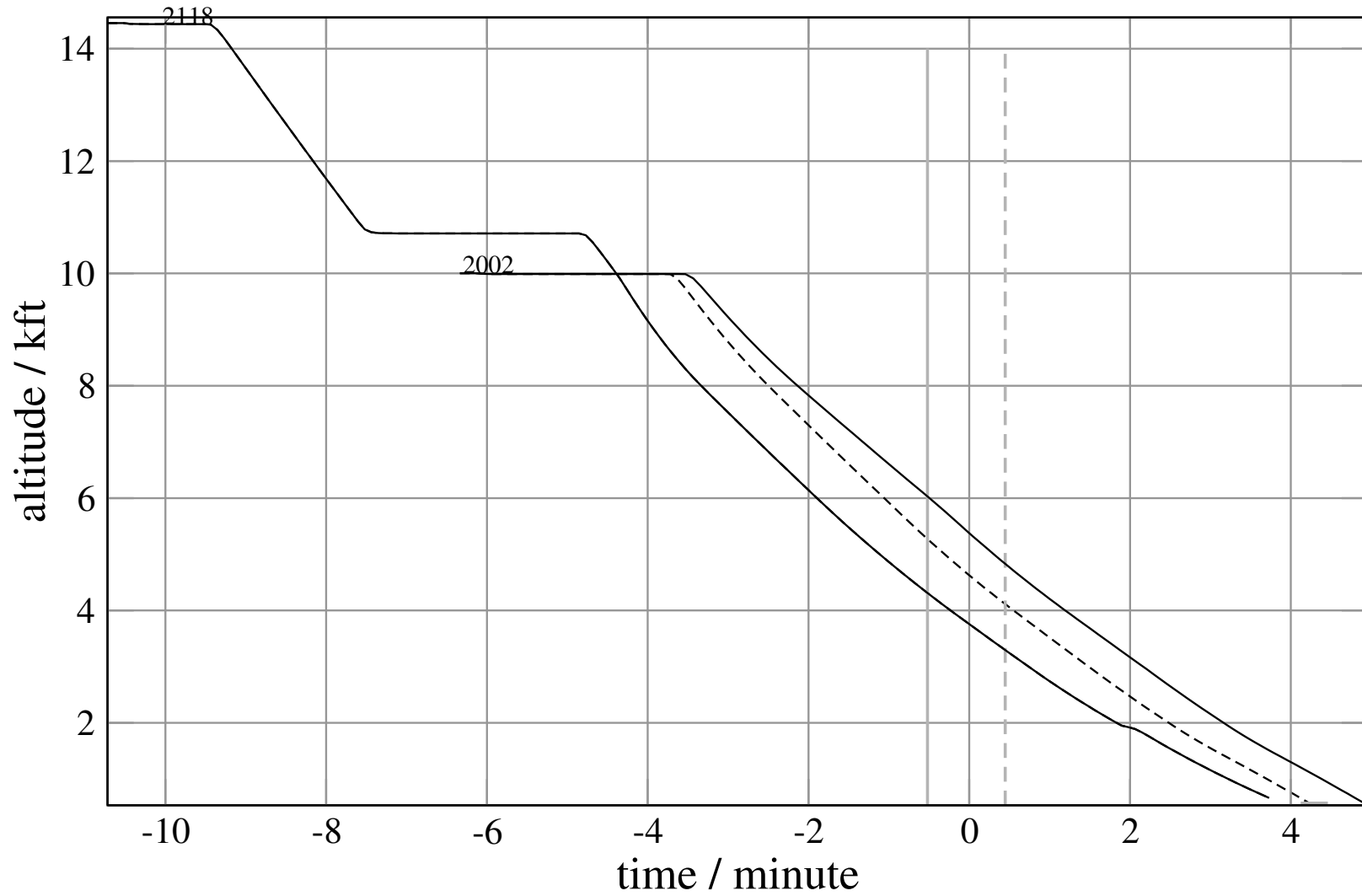
Maneuver Planview

+ A2002D-A2118C 0.558H->1.162H: A2002D speed dec 30 kn (+41 s) 2118-2002-31



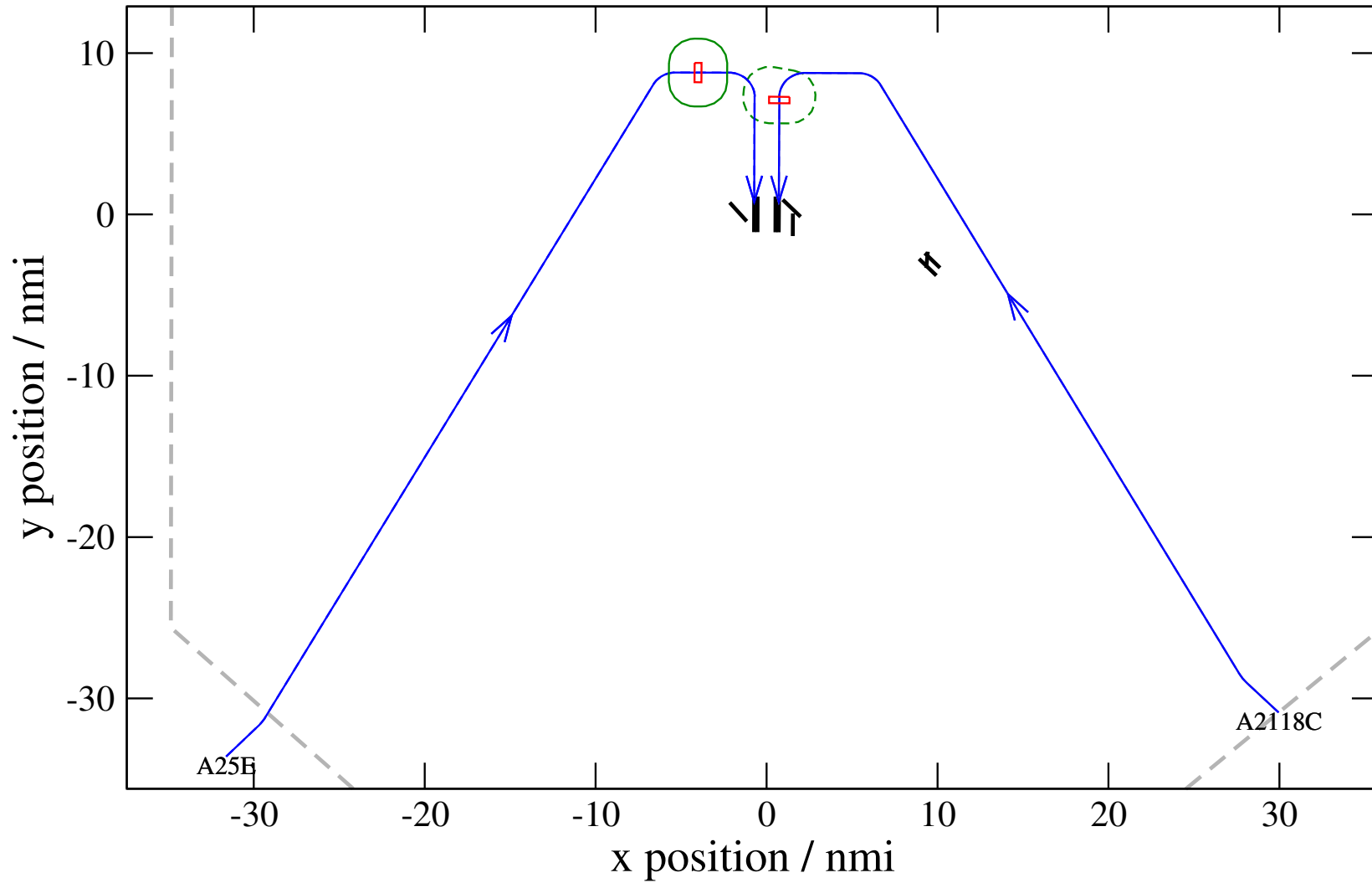
Maneuver Altitude Profiles

+ A2002D-A2118C 0.558H->1.162H: A2002D speed dec 30 kn (+41 s) 2118-2002-31



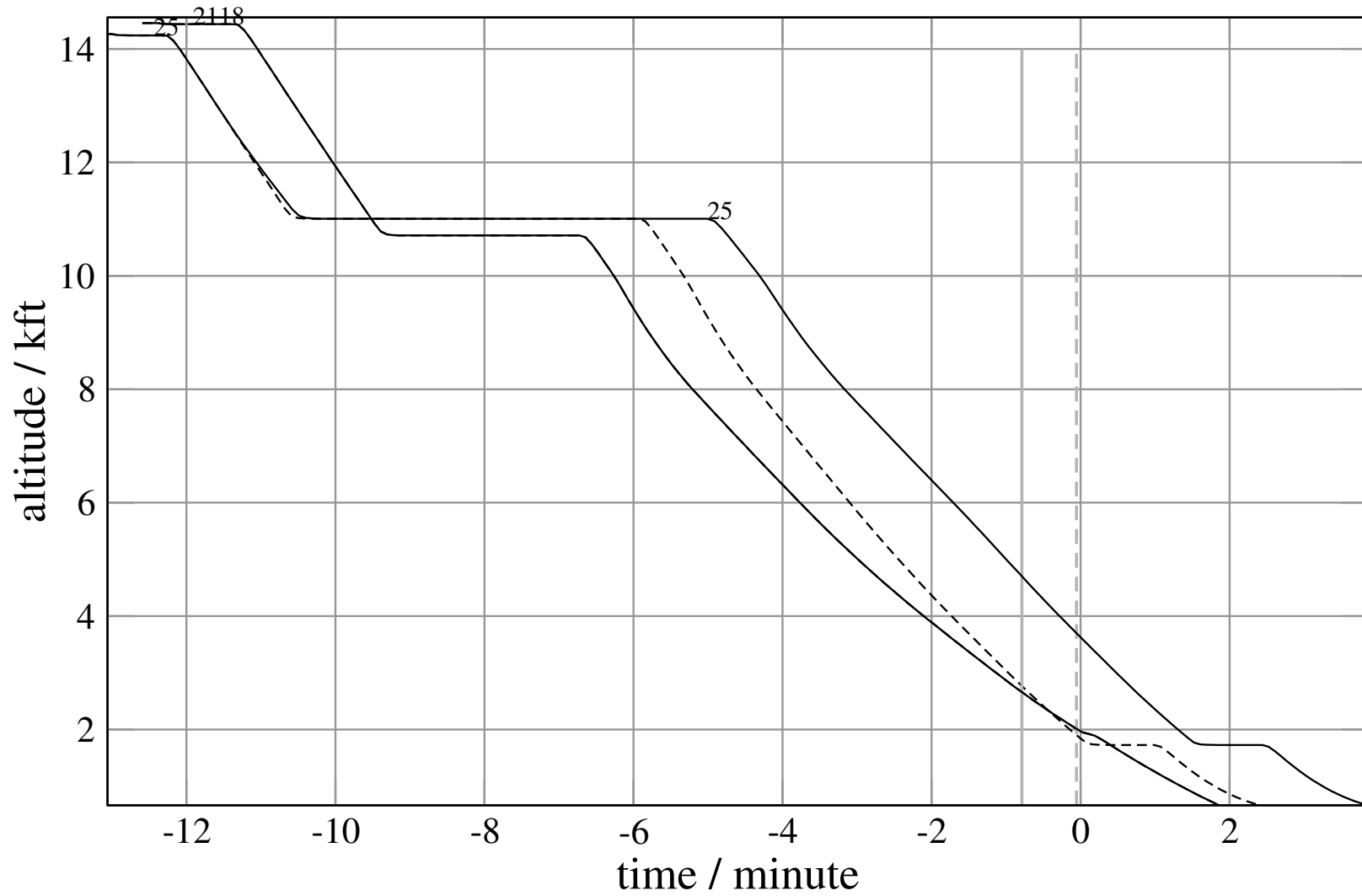
Maneuver Planview

+ A25E-A2118C 0.085H->1.351H: A25E speed dec 38 kn (+87 s) 2118-25-31



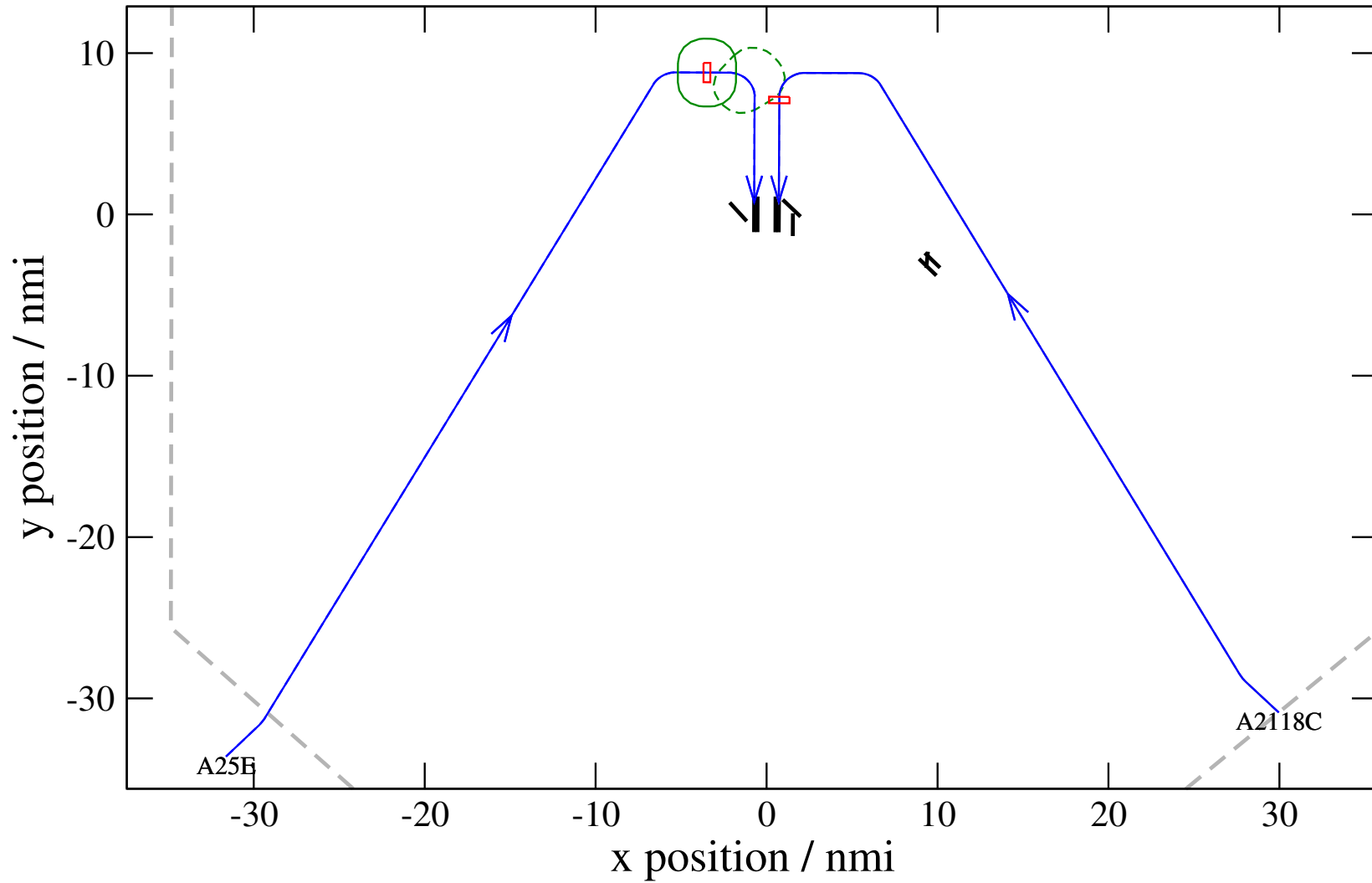
Maneuver Altitude Profiles

+ A25E-A2118C 0.085H->1.351H: A25E speed dec 38 kn (+87 s) 2118-25-31



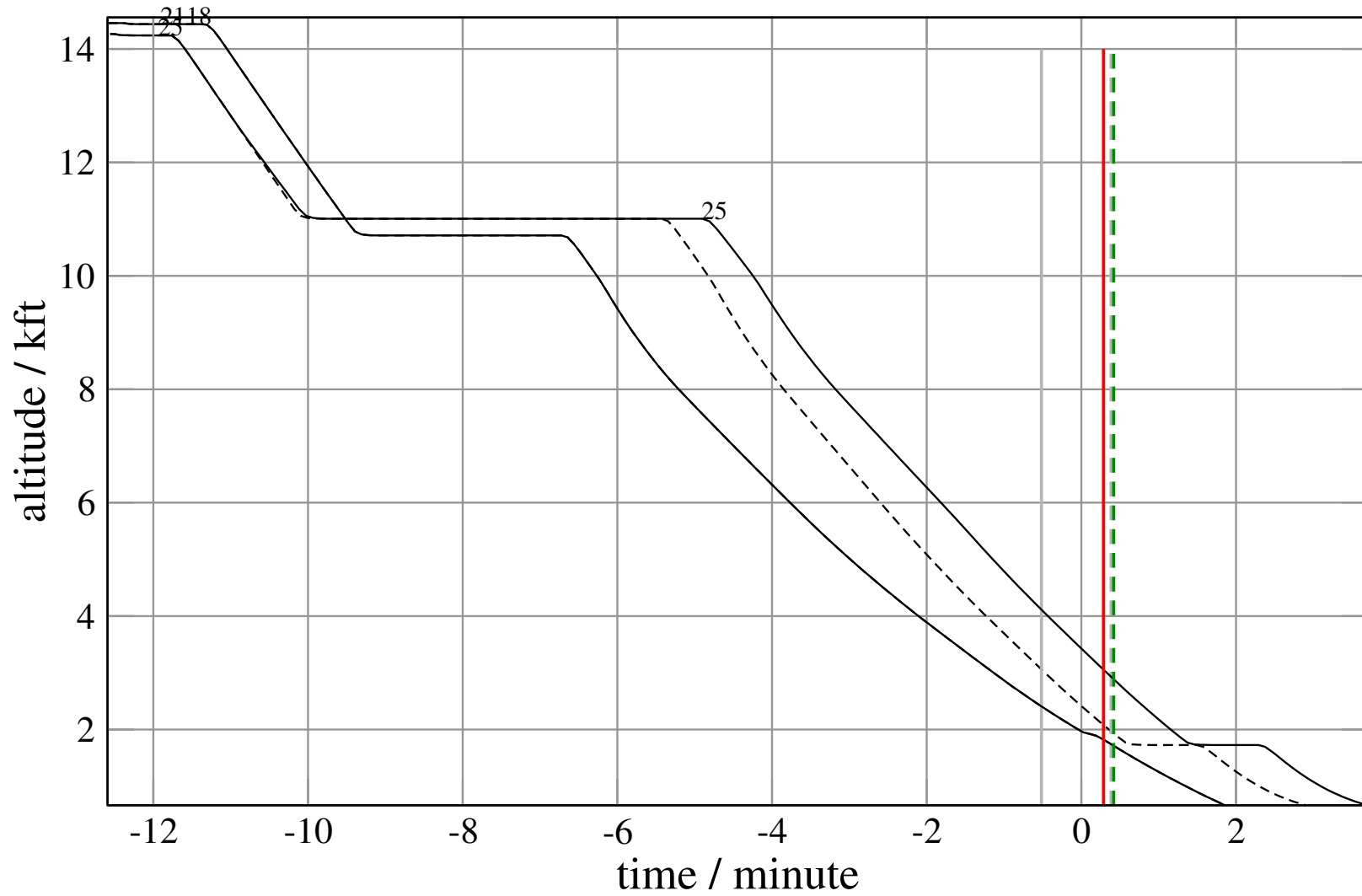
Maneuver Planview

+ A25E-A2118C 0.416H->1.183H: A25E speed dec 23 kn (+48 s) 2118-25-32



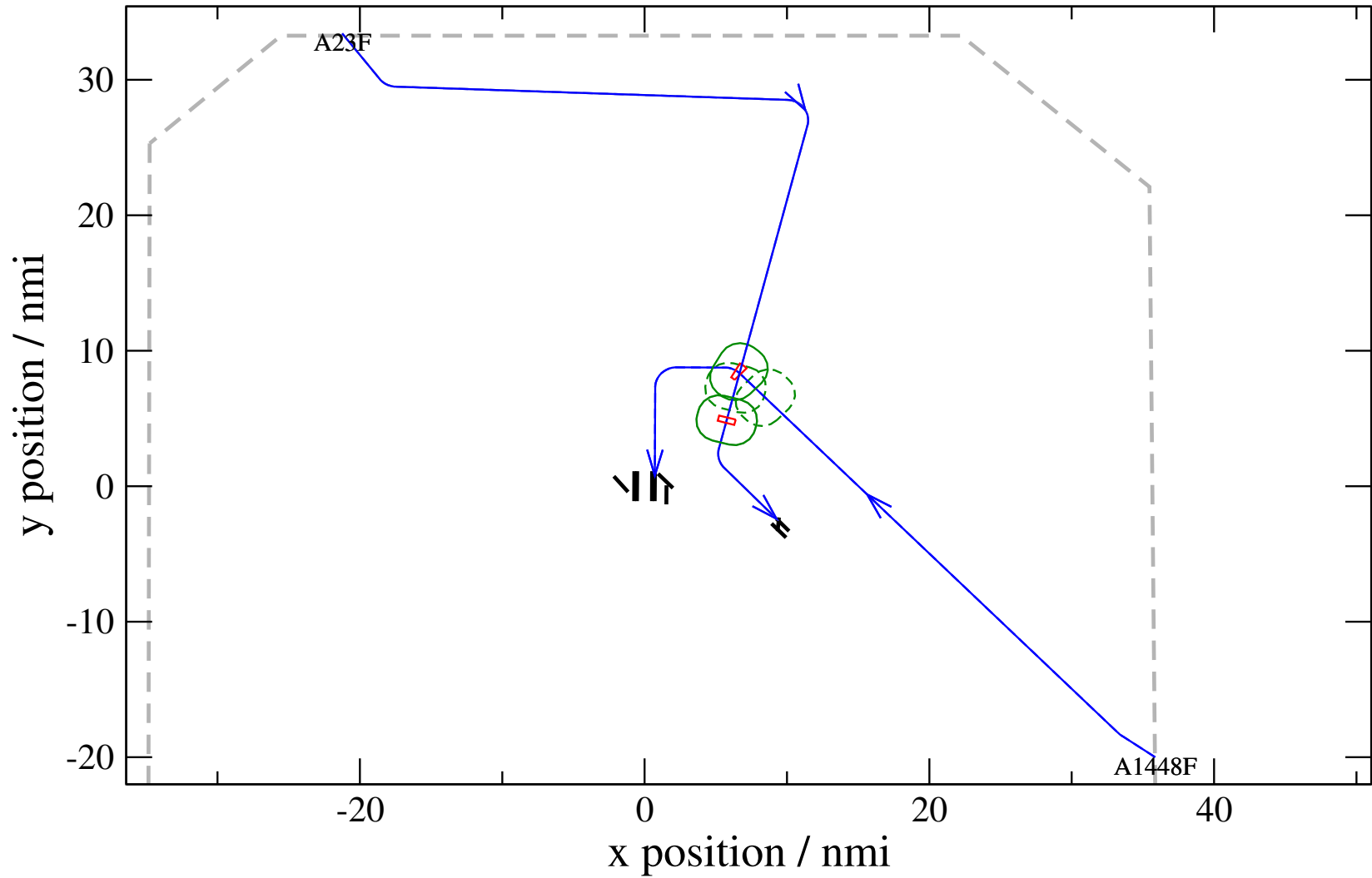
Maneuver Altitude Profiles

+ A25E-A2118C 0.416H->1.183H: A25E speed dec 23 kn (+48 s) 2118-25-32



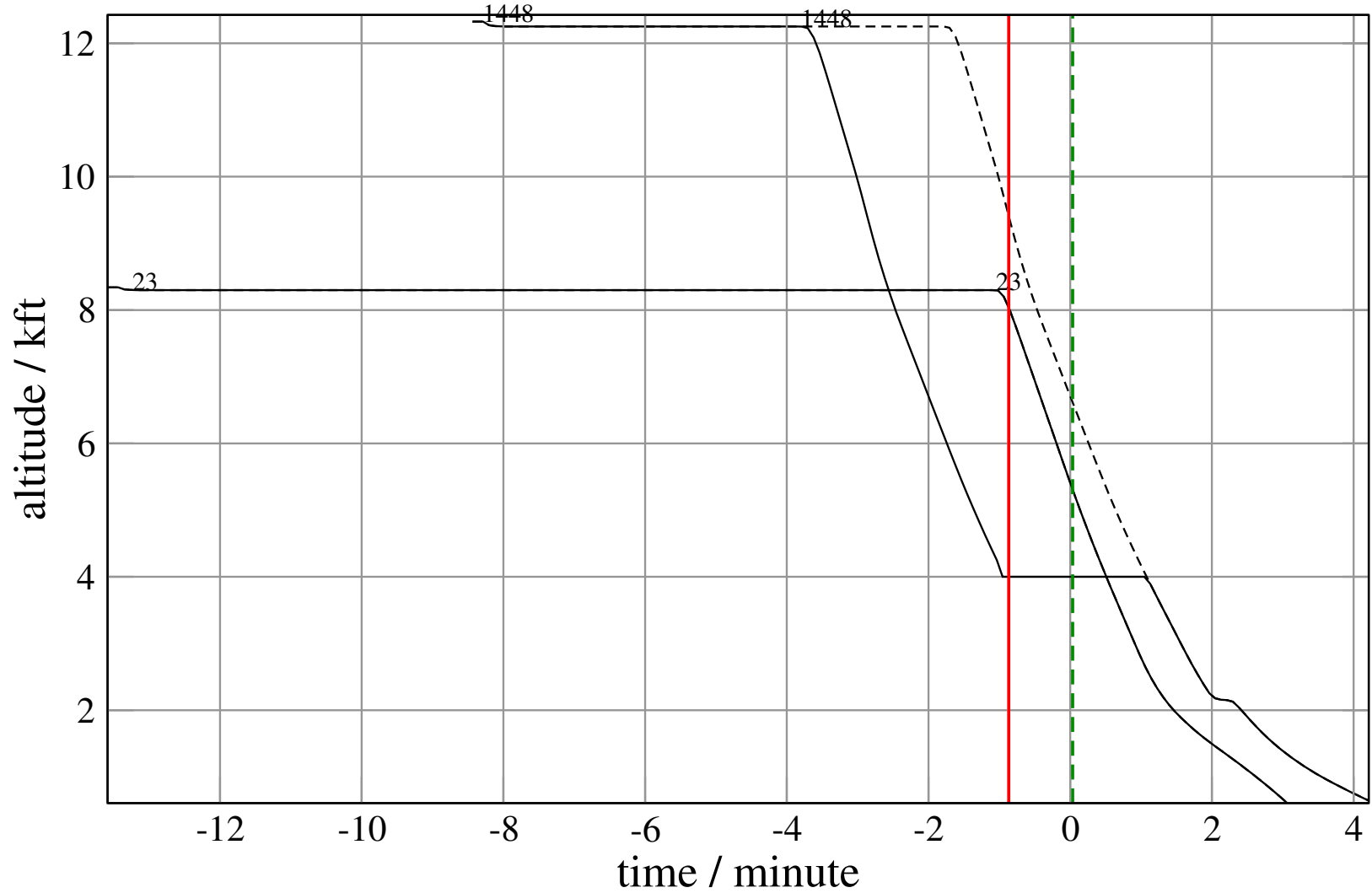
Maneuver Planview

+ A1448F-A23F 0.456V->1.071H: A1448F temp alt 4.0 kft, 2.0 Min (+0 s) 1448-23-24



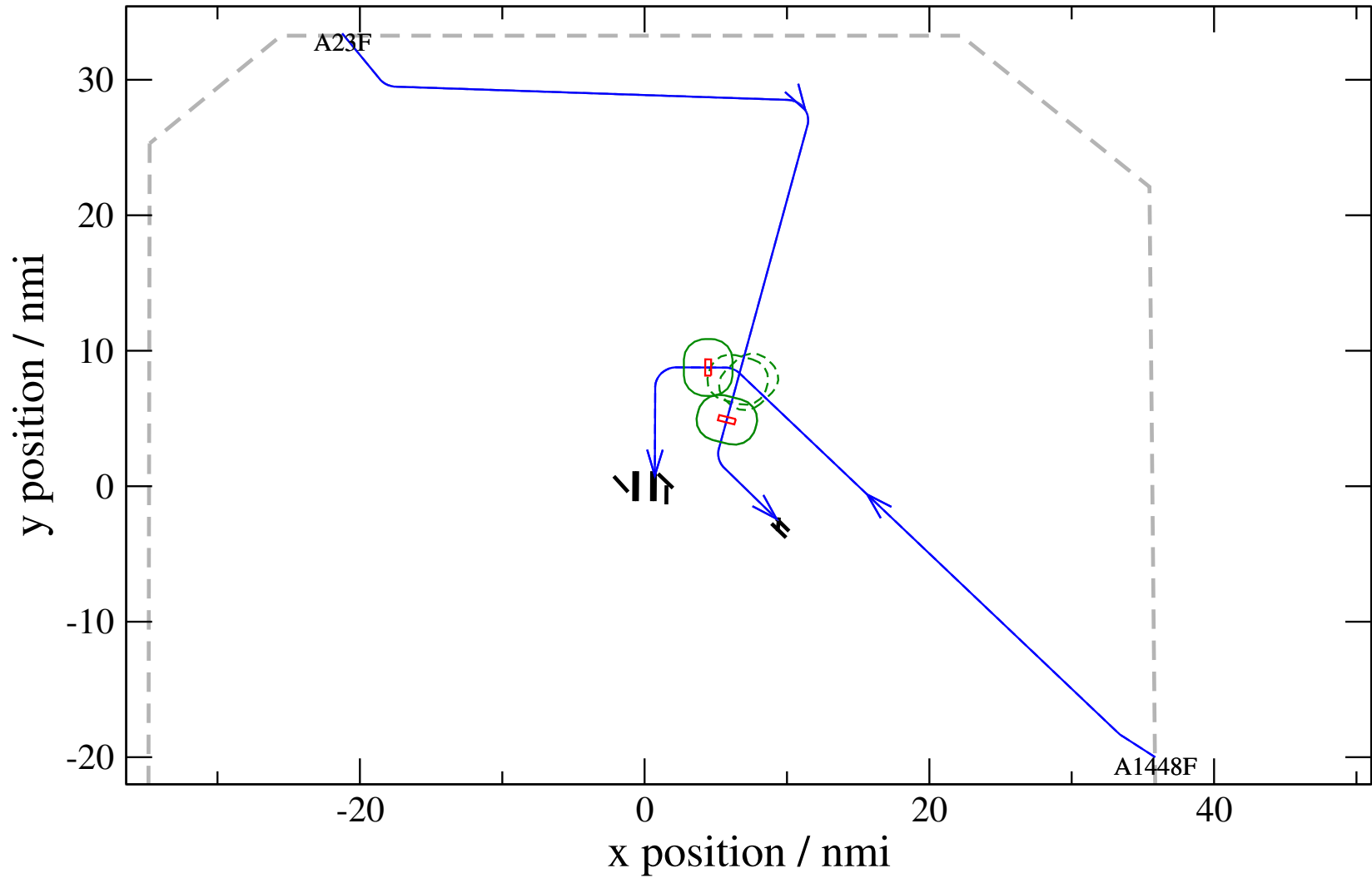
Maneuver Altitude Profiles

+ A1448F-A23F 0.456V->1.071H: A1448F temp alt 4.0 kft, 2.0 Min (+0 s) 1448-23-24



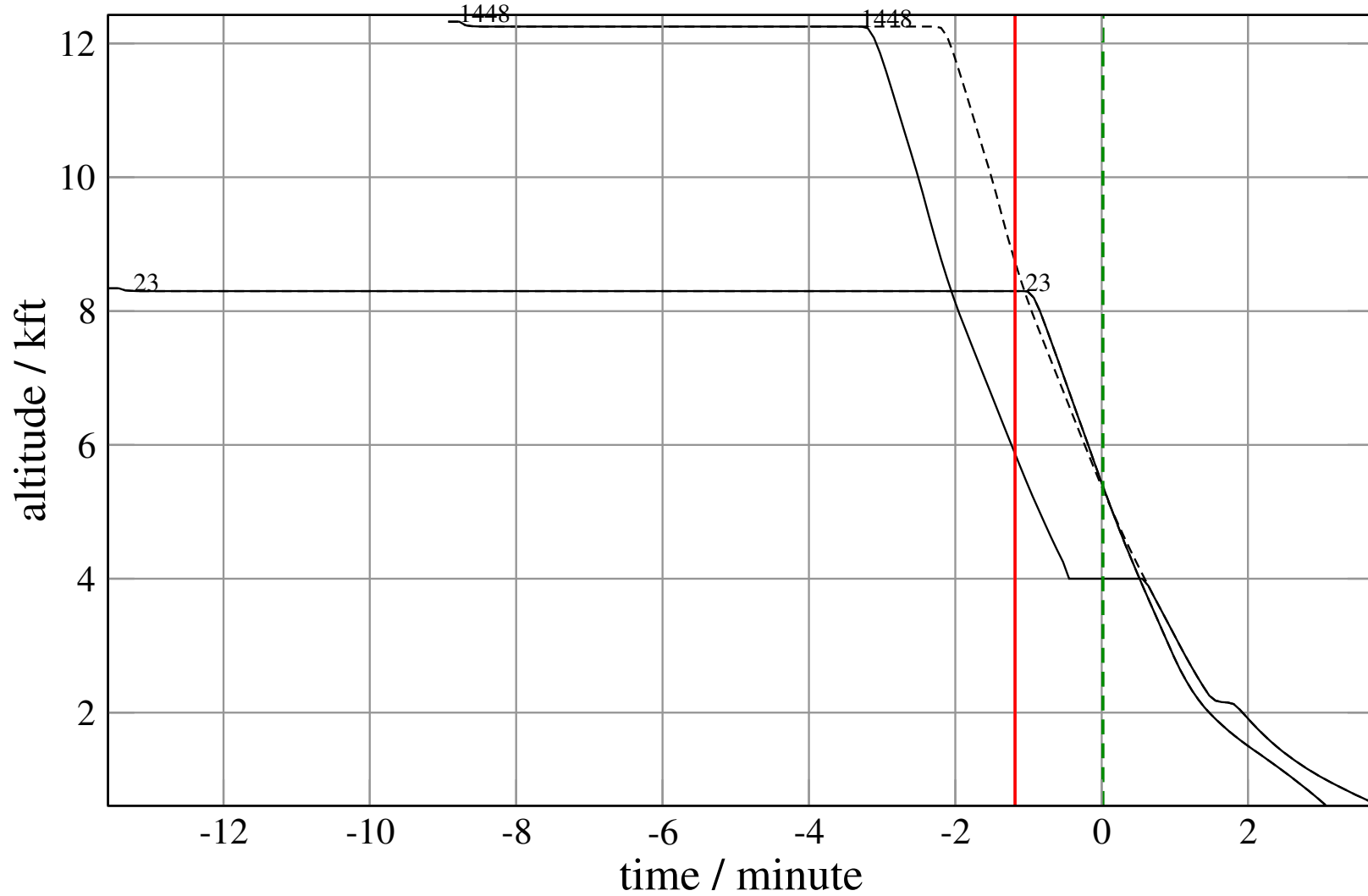
Maneuver Planview

+ A1448F-A23F 0.000H->1.110H: A1448F temp alt 4.0 kft, 1.0 Min (+0 s) 1448-23-25



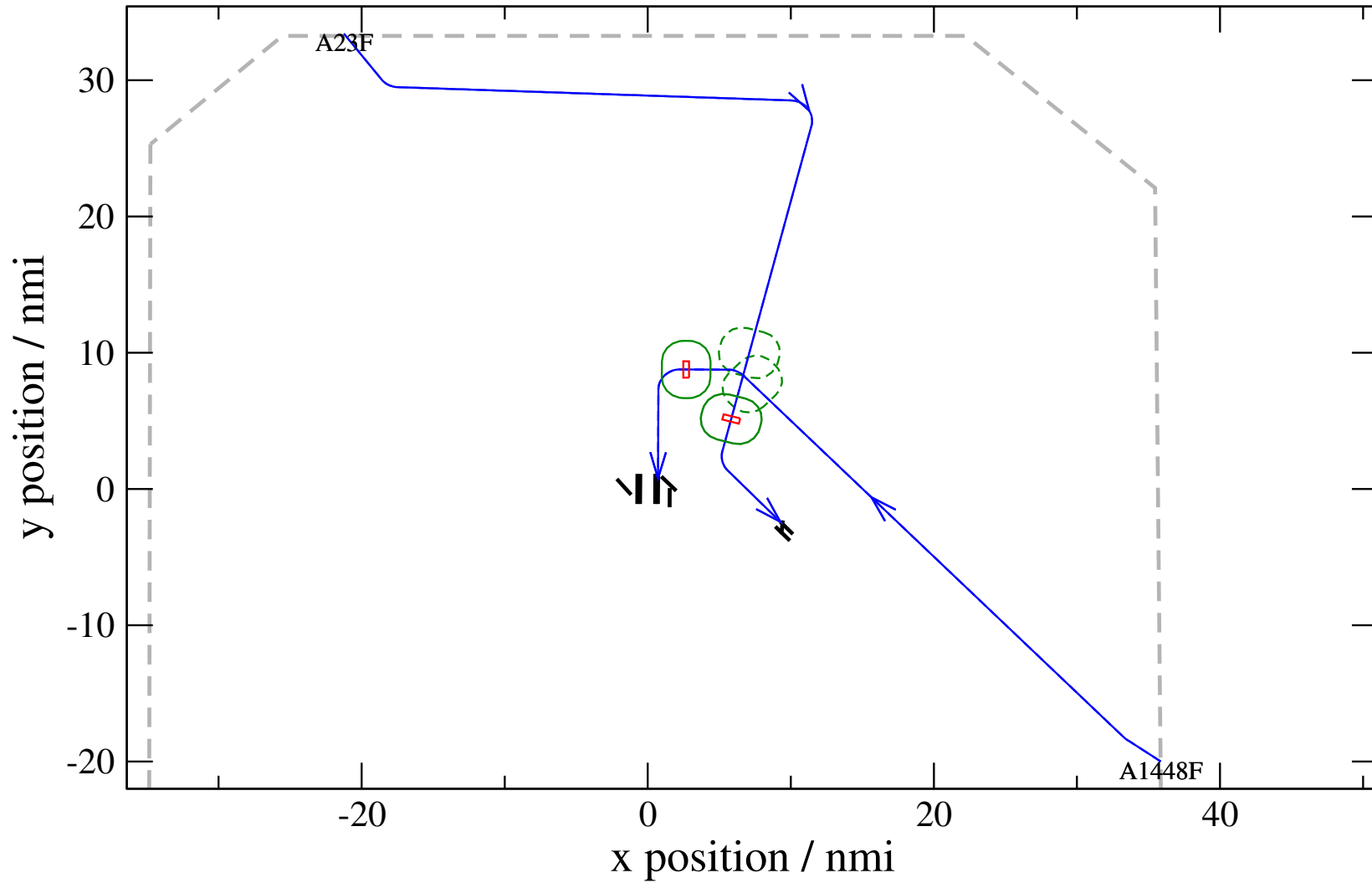
Maneuver Altitude Profiles

+ A1448F-A23F 0.000H->1.110H: A1448F temp alt 4.0 kft, 1.0 Min (+0 s) 1448-23-25



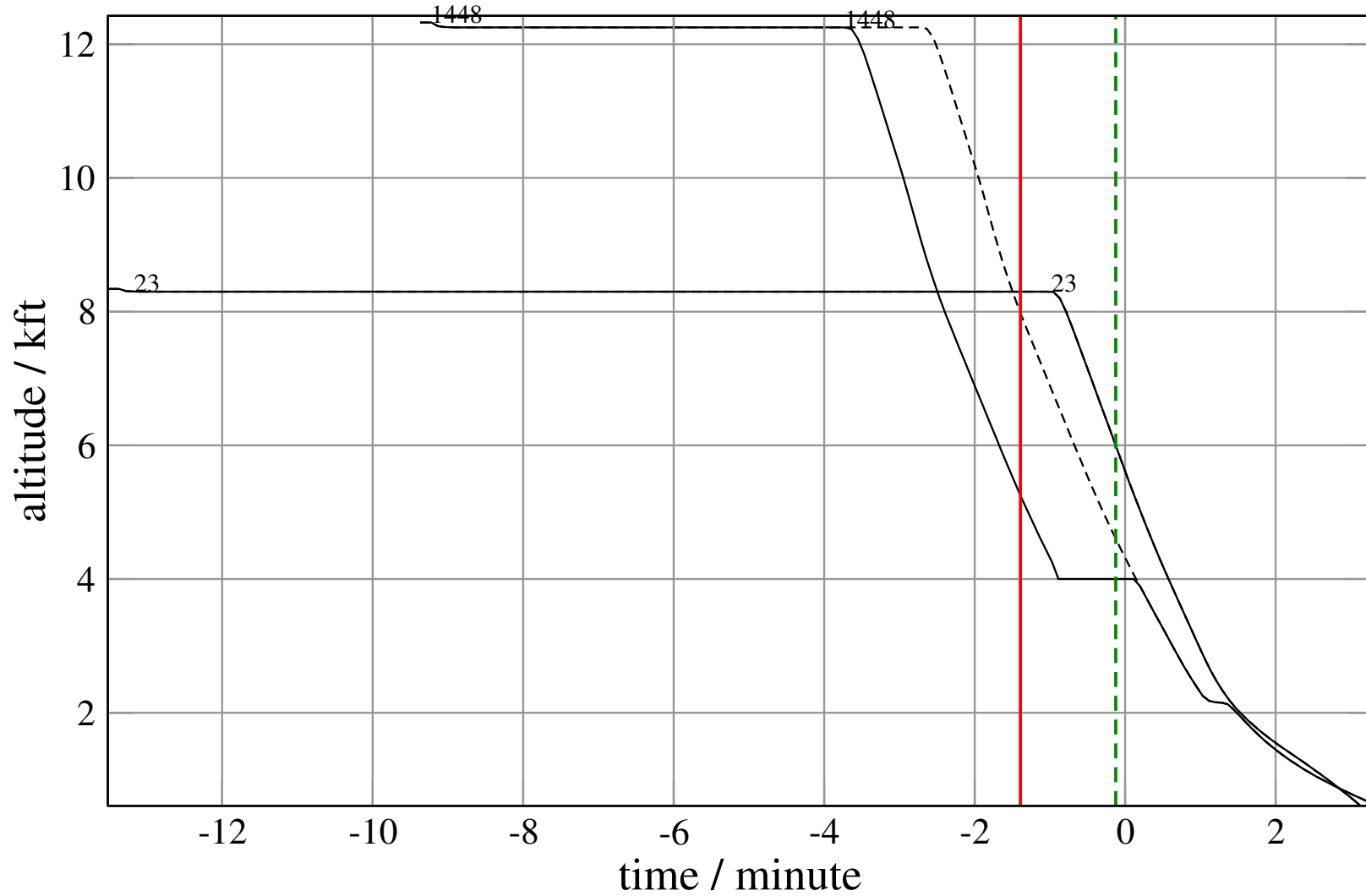
Maneuver Planview

+ A1448F-A23F 0.581V->1.284H: A1448F temp alt 4.0 kft, 1.0 Min (+0 s) 1448-23-26



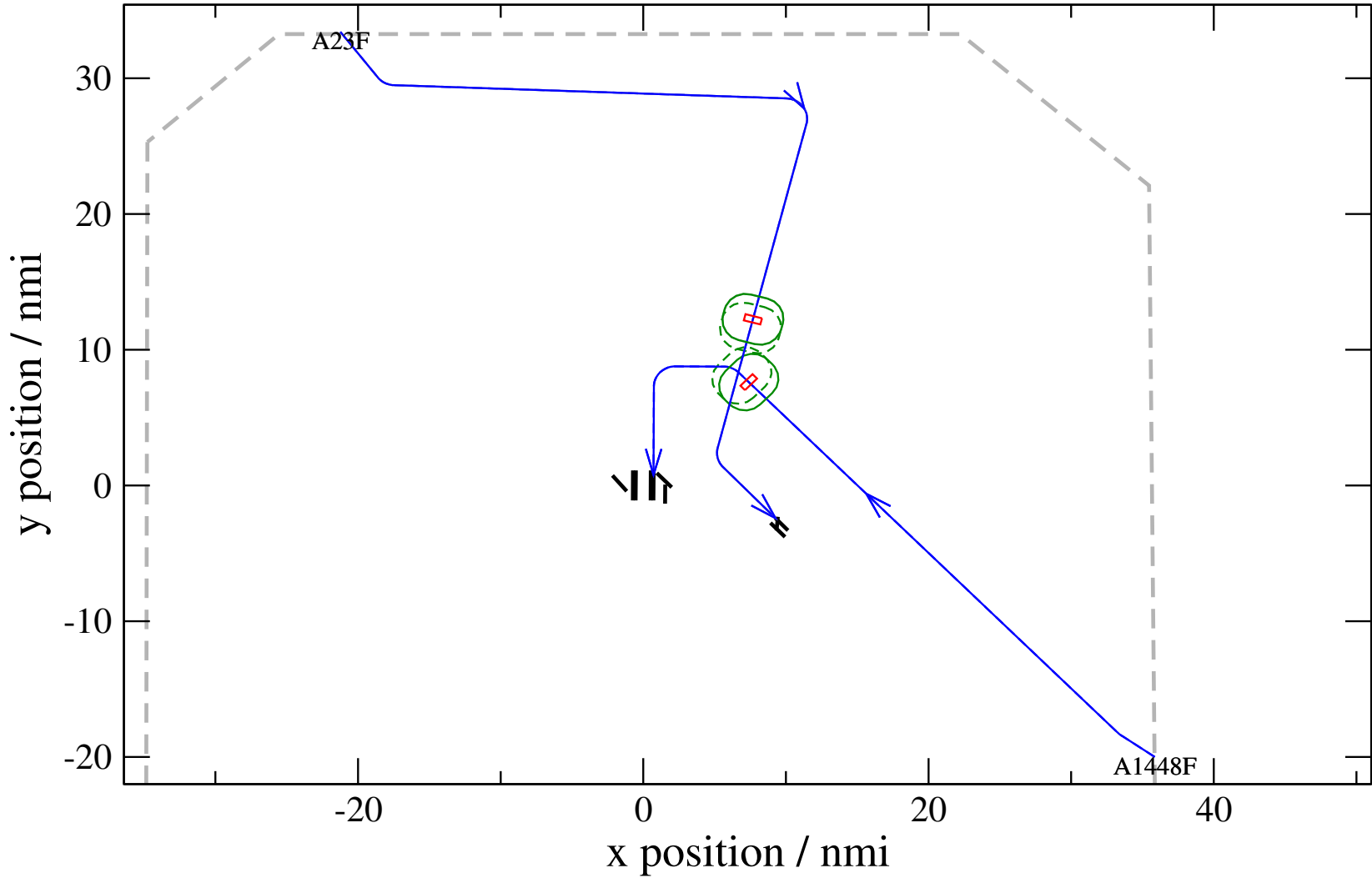
Maneuver Altitude Profiles

+ A1448F-A23F 0.581V->1.284H: A1448F temp alt 4.0 kft, 1.0 Min (+0 s) 1448-23-26



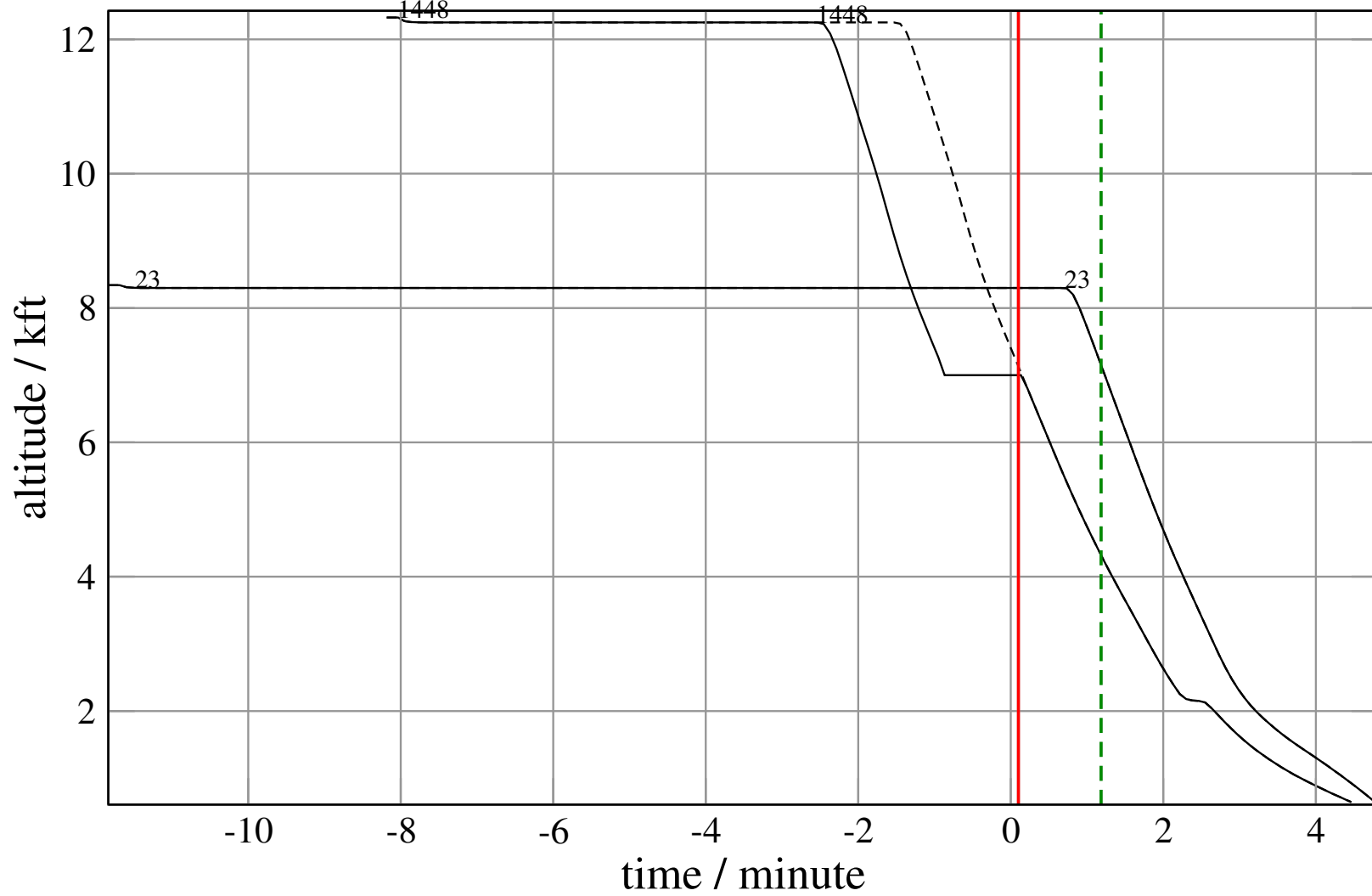
Maneuver Planview

+ A1448F-A23F 0.972V->1.299V: A1448F temp alt 7.0 kft, 1.0 Min (+0 s) 1448-23-27



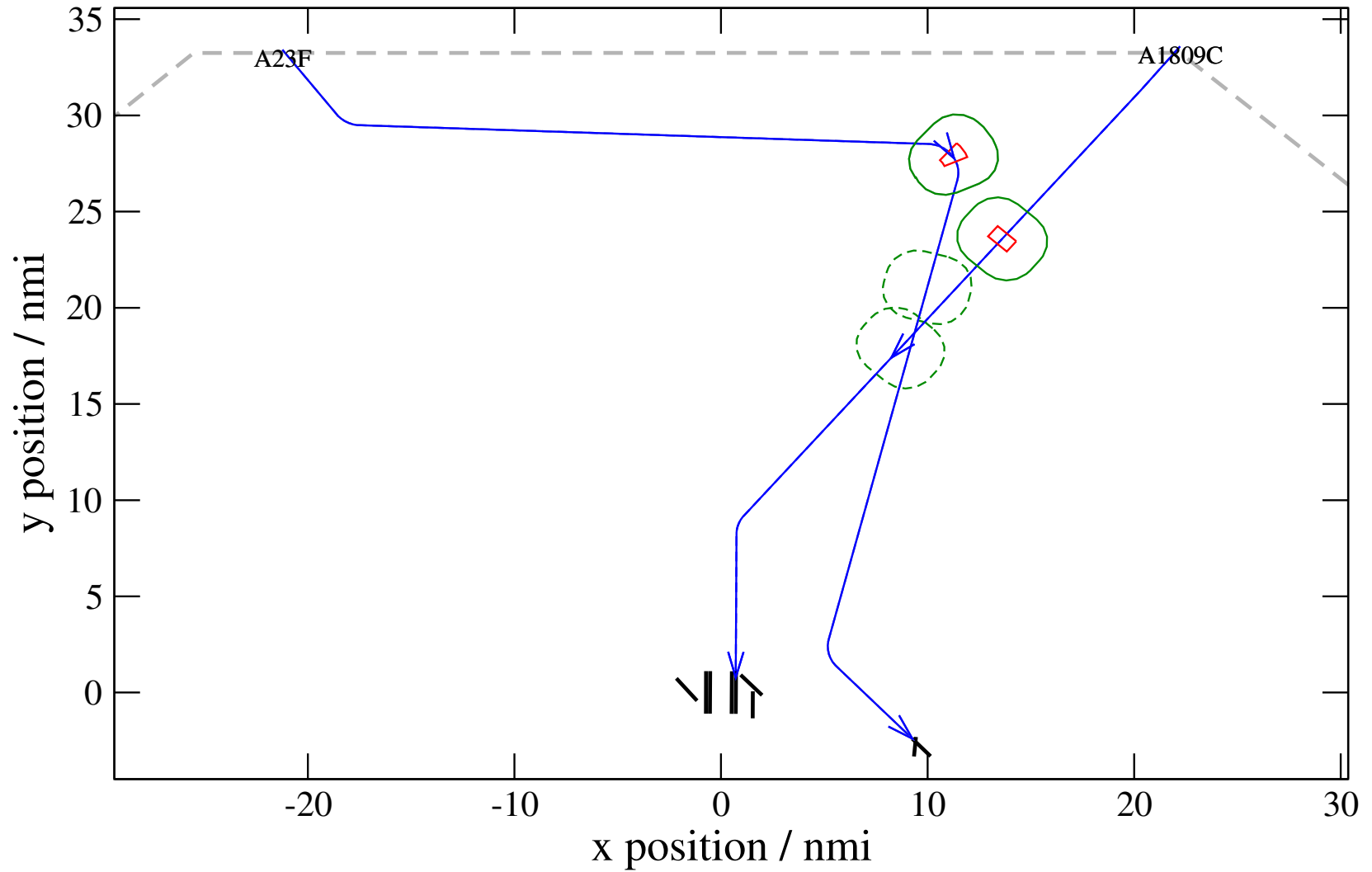
Maneuver Altitude Profiles

+ A1448F-A23F 0.972V->1.299V: A1448F temp alt 7.0 kft, 1.0 Min (+0 s) 1448-23-27



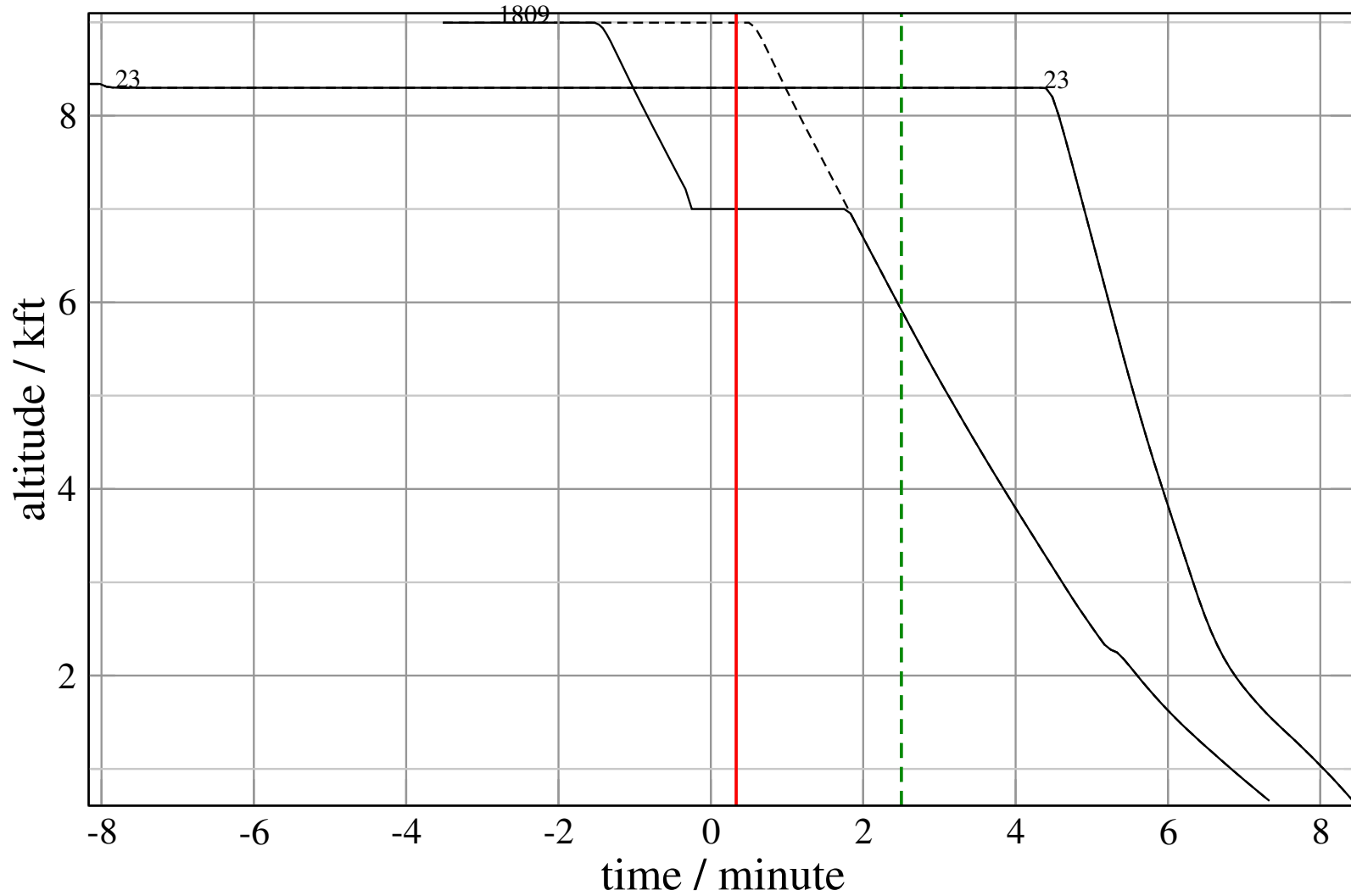
Maneuver Planview

+ A1809C-A23F 0.861H->1.294H: A1809C temp alt 7.0 kft, 2.0 Min (+0 s) 23-1809-32



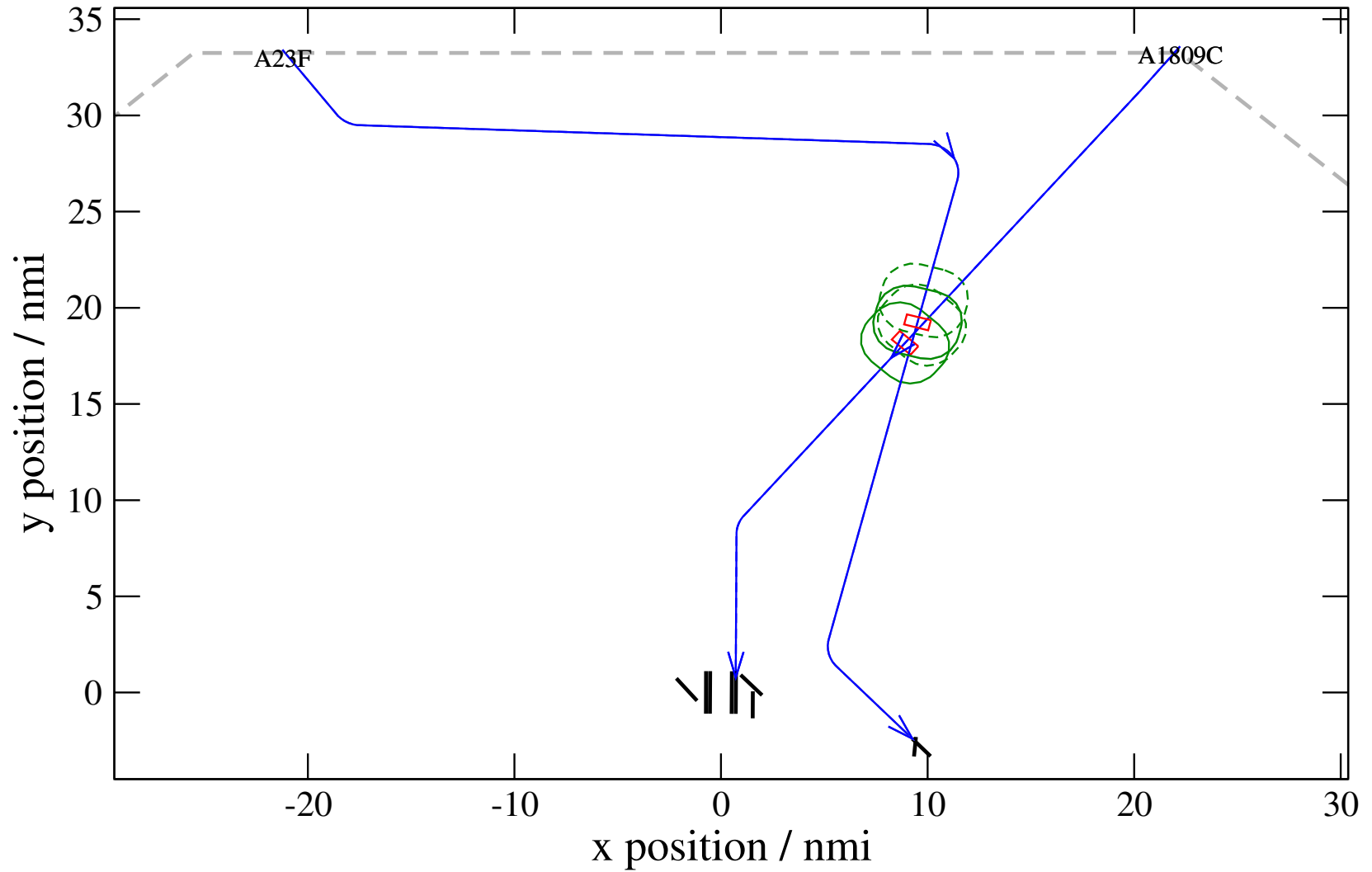
Maneuver Altitude Profiles

+ A1809C-A23F 0.861H->1.294H: A1809C temp alt 7.0 kft, 2.0 Min (+0 s) 23-1809-32



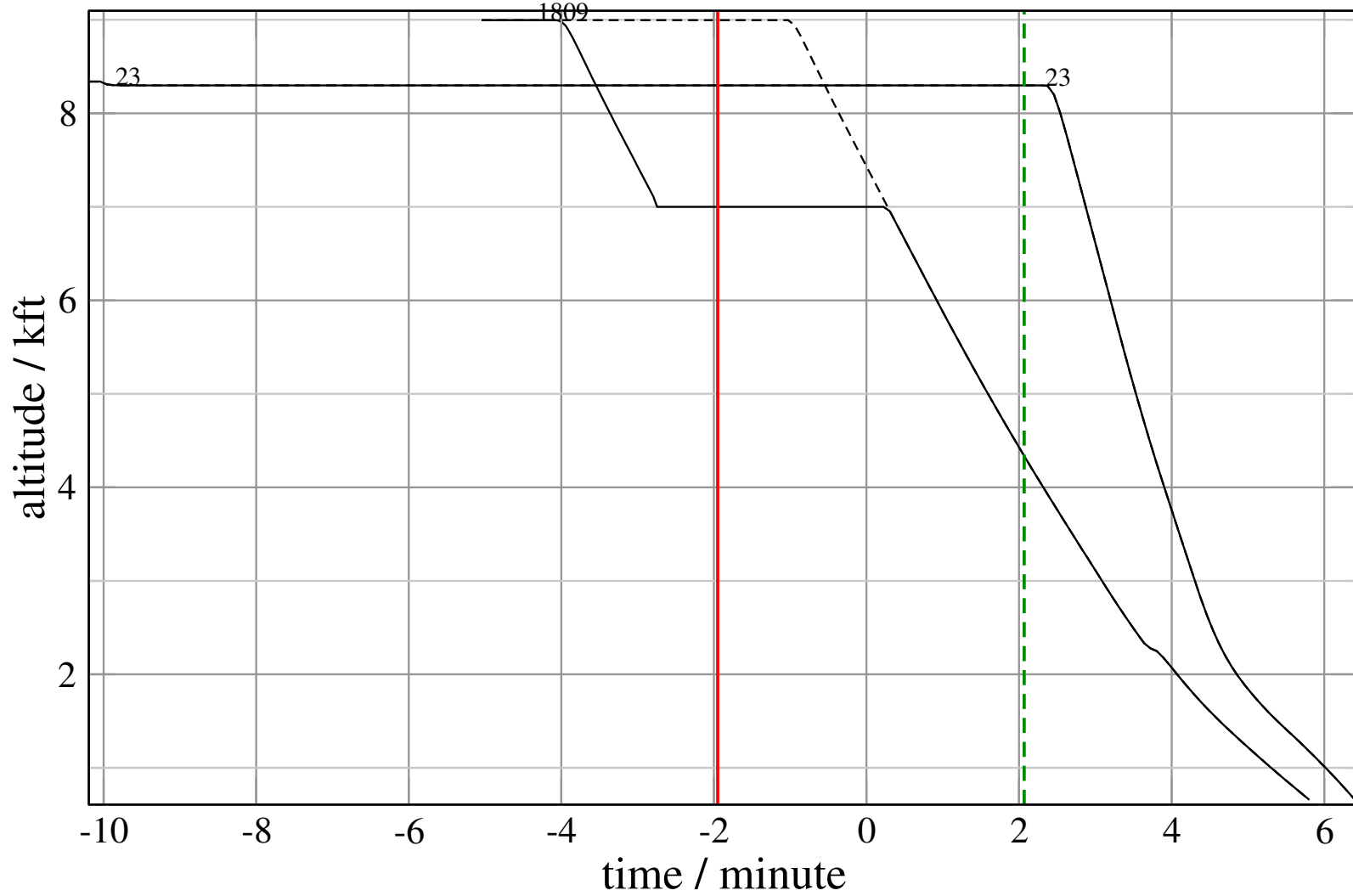
Maneuver Planview

+ A1809C-A23F 0.147H->1.299V: A1809C temp alt 7.0 kft, 3.0 Min (+0 s) 23-1809-33



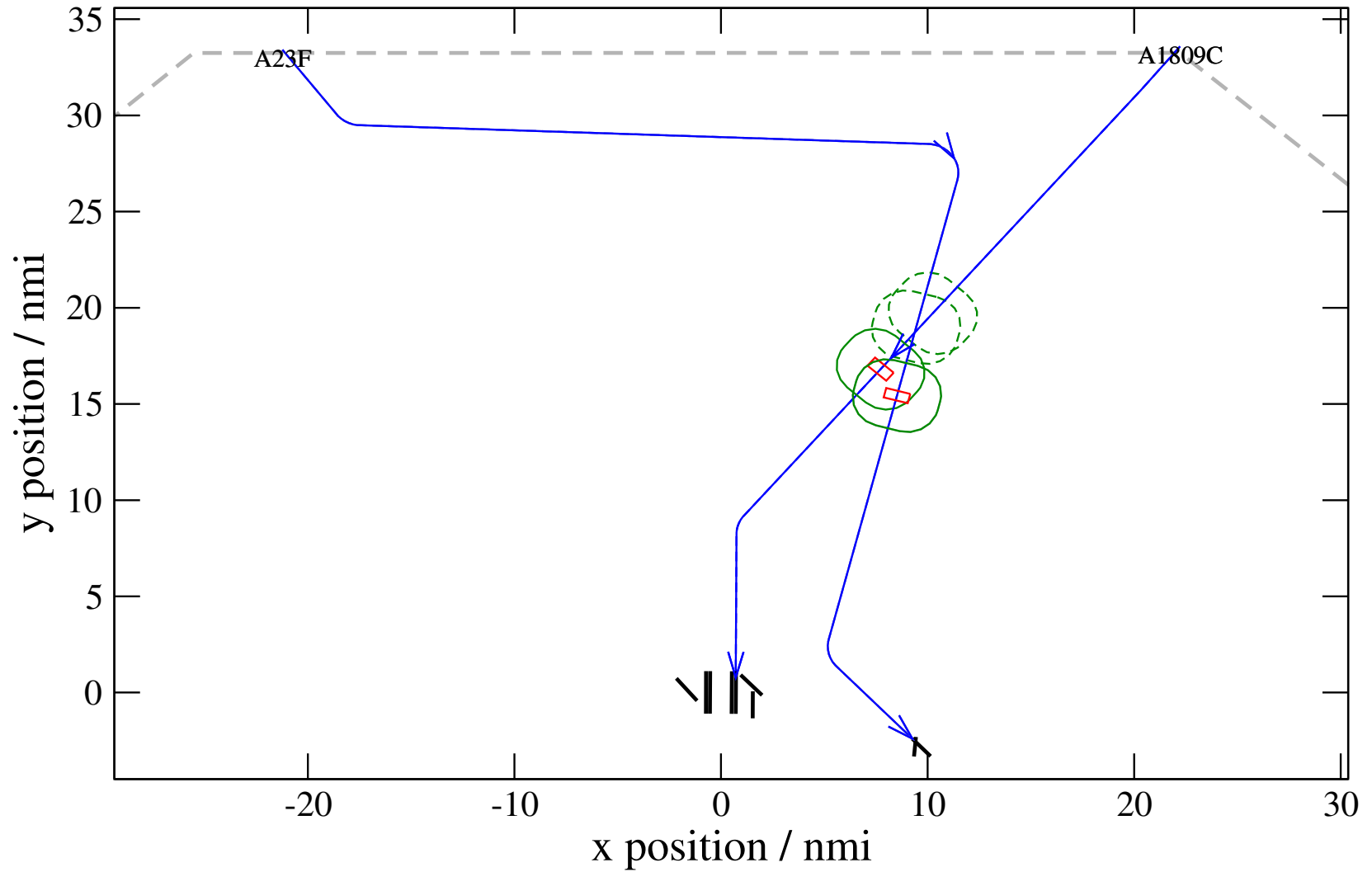
Maneuver Altitude Profiles

+ A1809C-A23F 0.147H->1.299V: A1809C temp alt 7.0 kft, 3.0 Min (+0 s) 23-1809-33



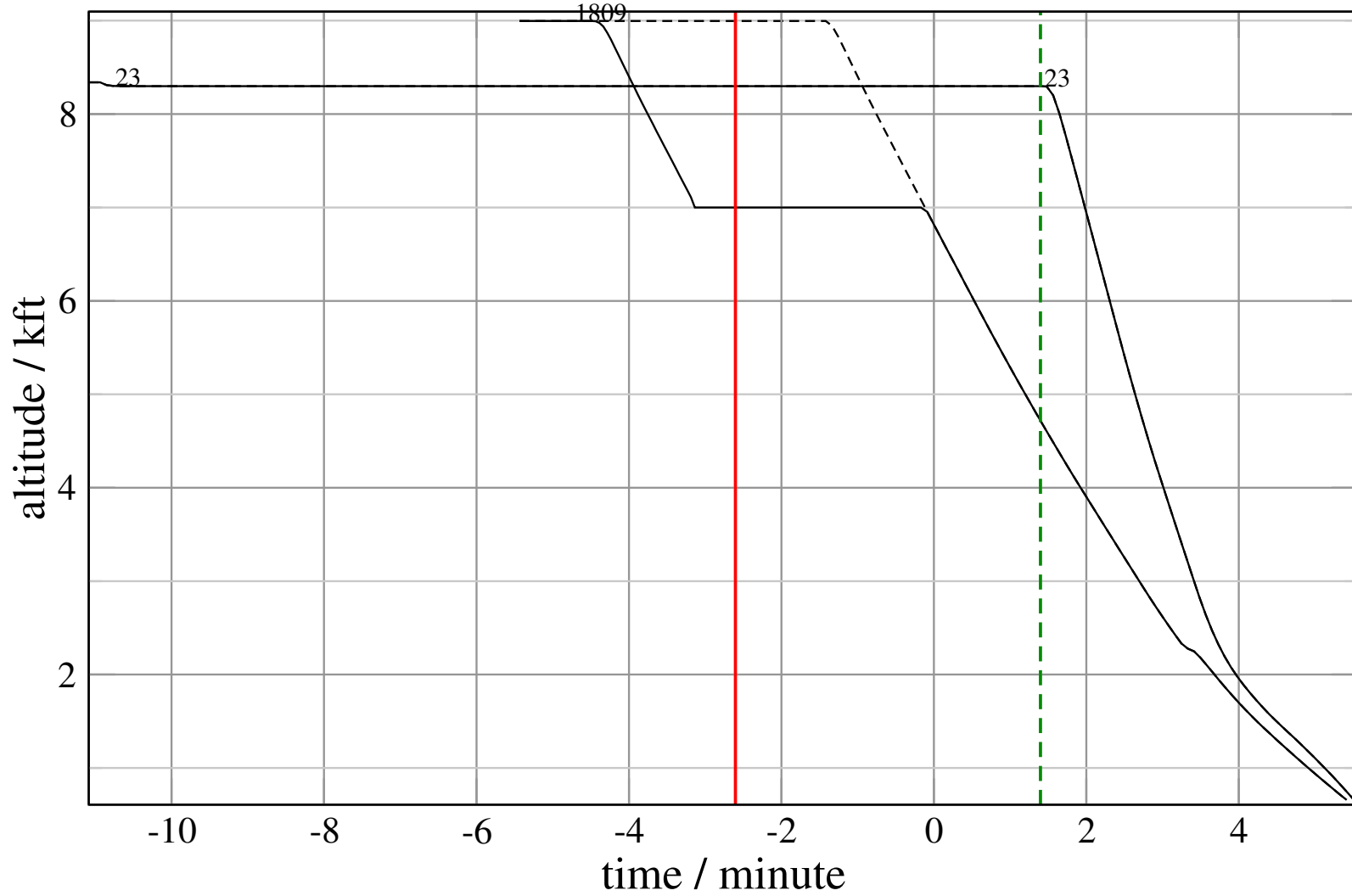
Maneuver Planview

+ A1809C-A23F 0.087H->1.299V: A1809C temp alt 7.0 kft, 3.0 Min (+0 s) 23-1809-34



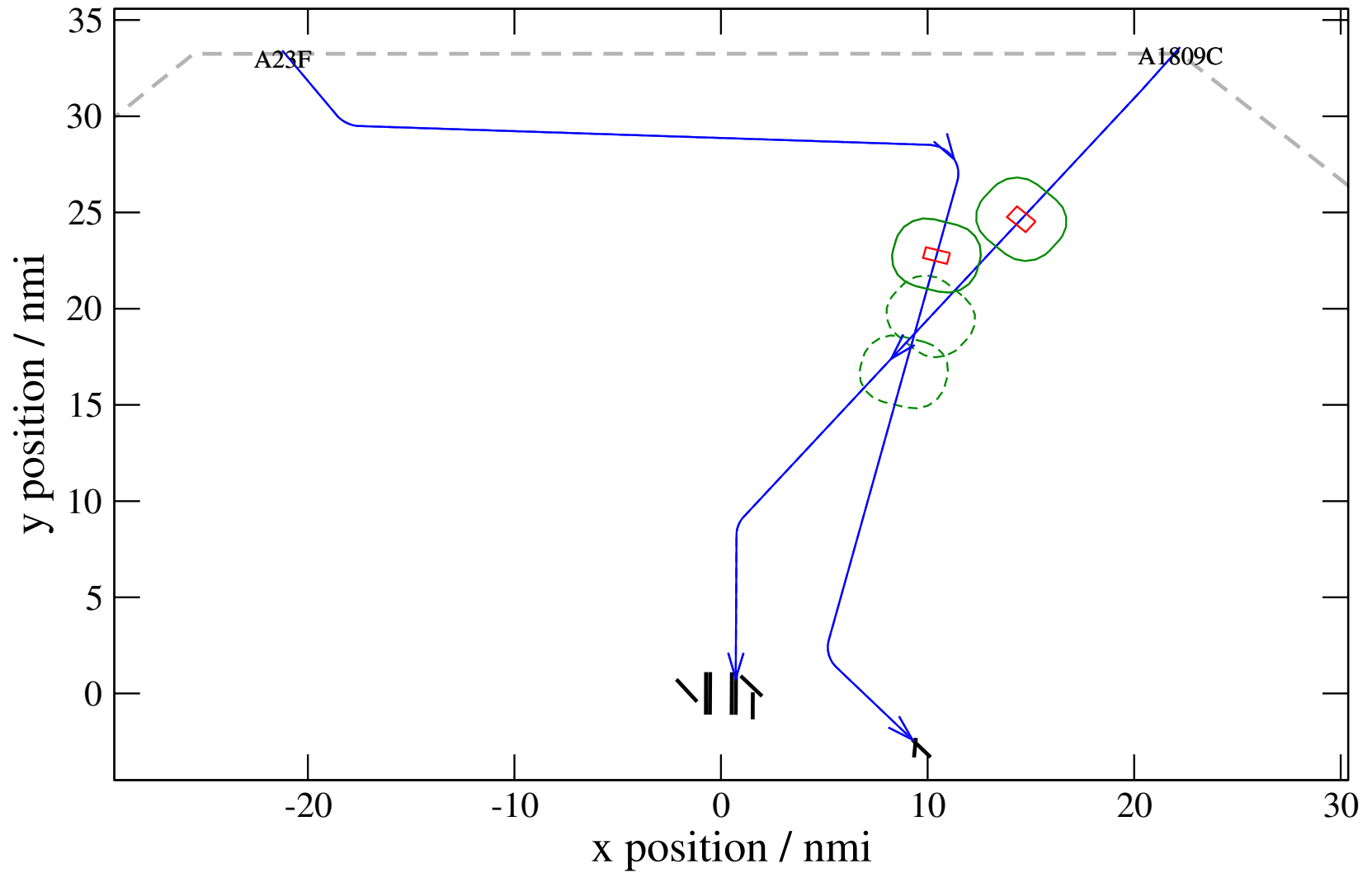
Maneuver Altitude Profiles

+ A1809C-A23F 0.087H->1.299V: A1809C temp alt 7.0 kft, 3.0 Min (+0 s) 23-1809-34



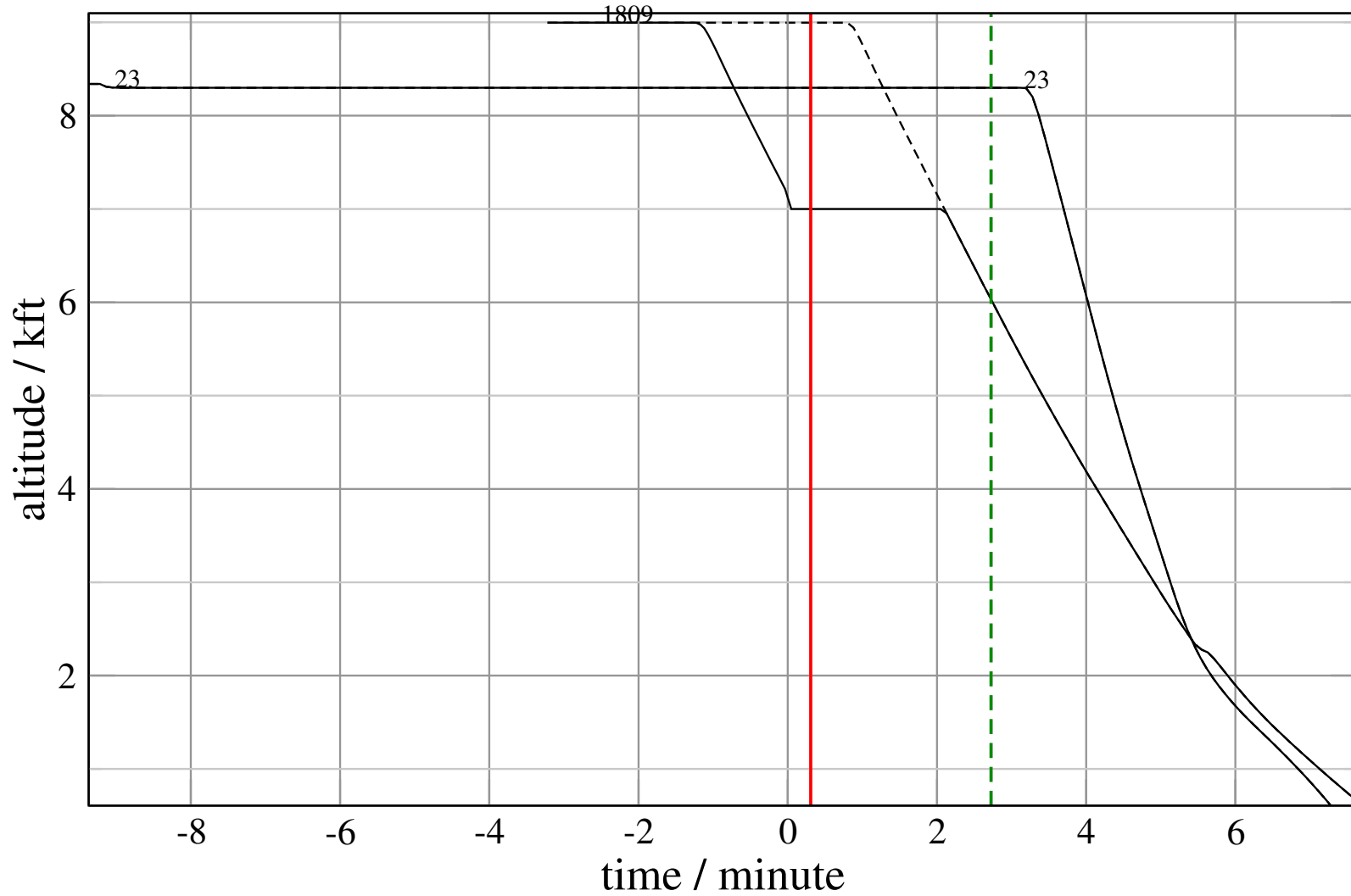
Maneuver Planview

+ A1809C-A23F 0.782H->1.112H: A1809C temp alt 7.0 kft, 2.0 Min (+0 s) 23-1809-35



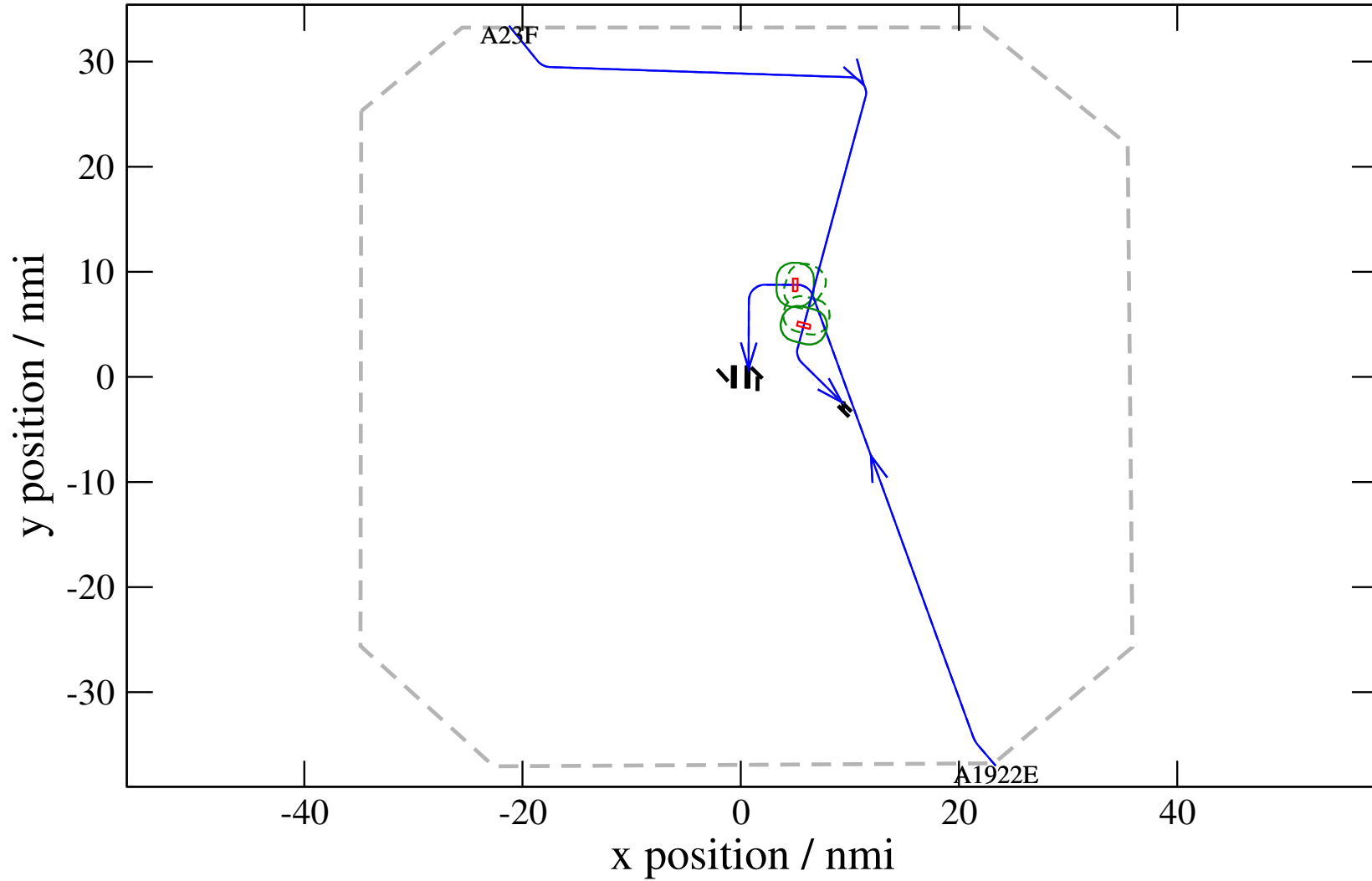
Maneuver Altitude Profiles

+ A1809C-A23F 0.782H->1.112H: A1809C temp alt 7.0 kft, 2.0 Min (+0 s) 23-1809-35



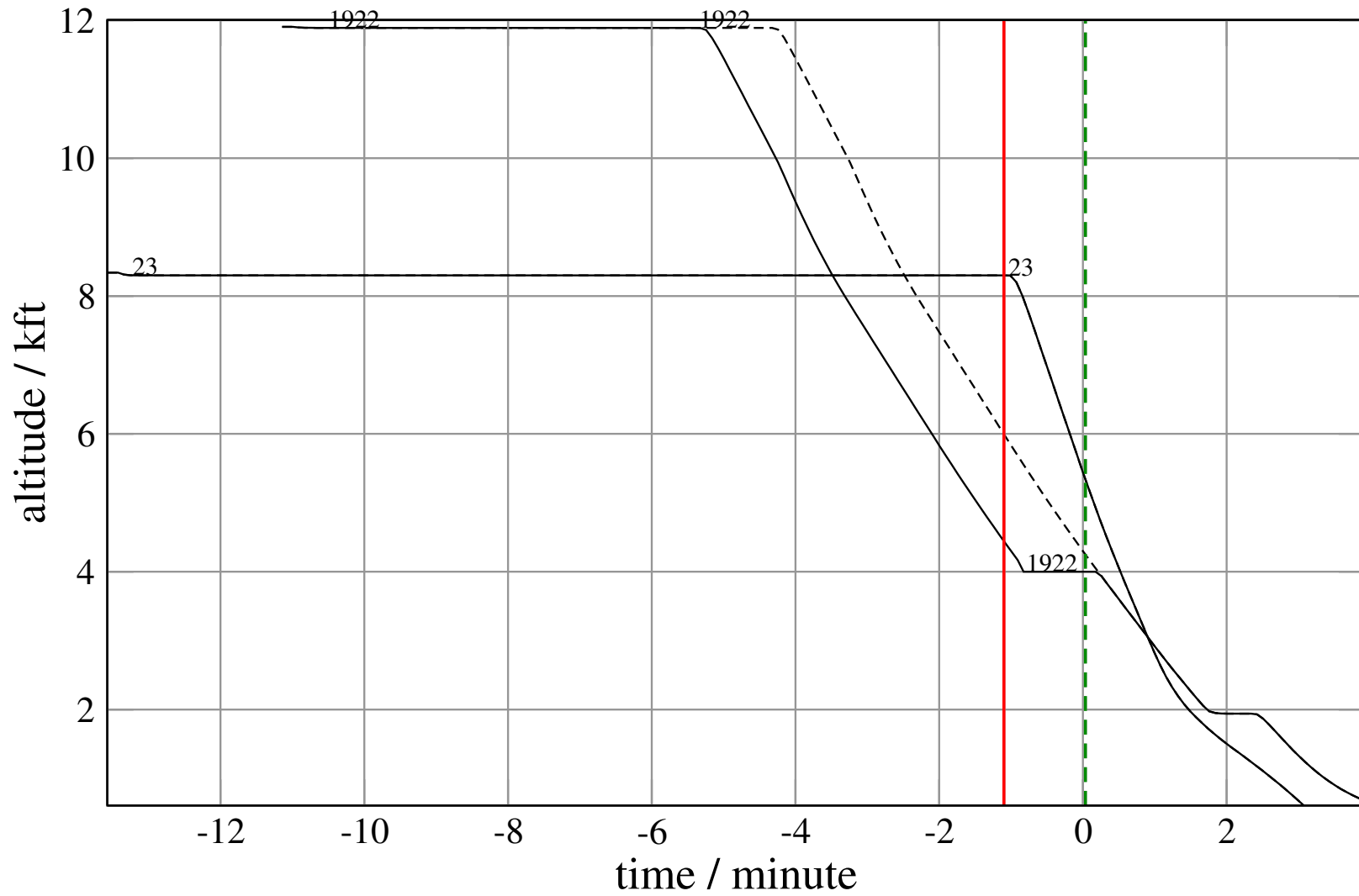
Maneuver Planview

+ A1922E-A23F 0.882V->1.095H: A1922E temp alt 4.0 kft, 1.0 Min (+0 s) 23-1922-36



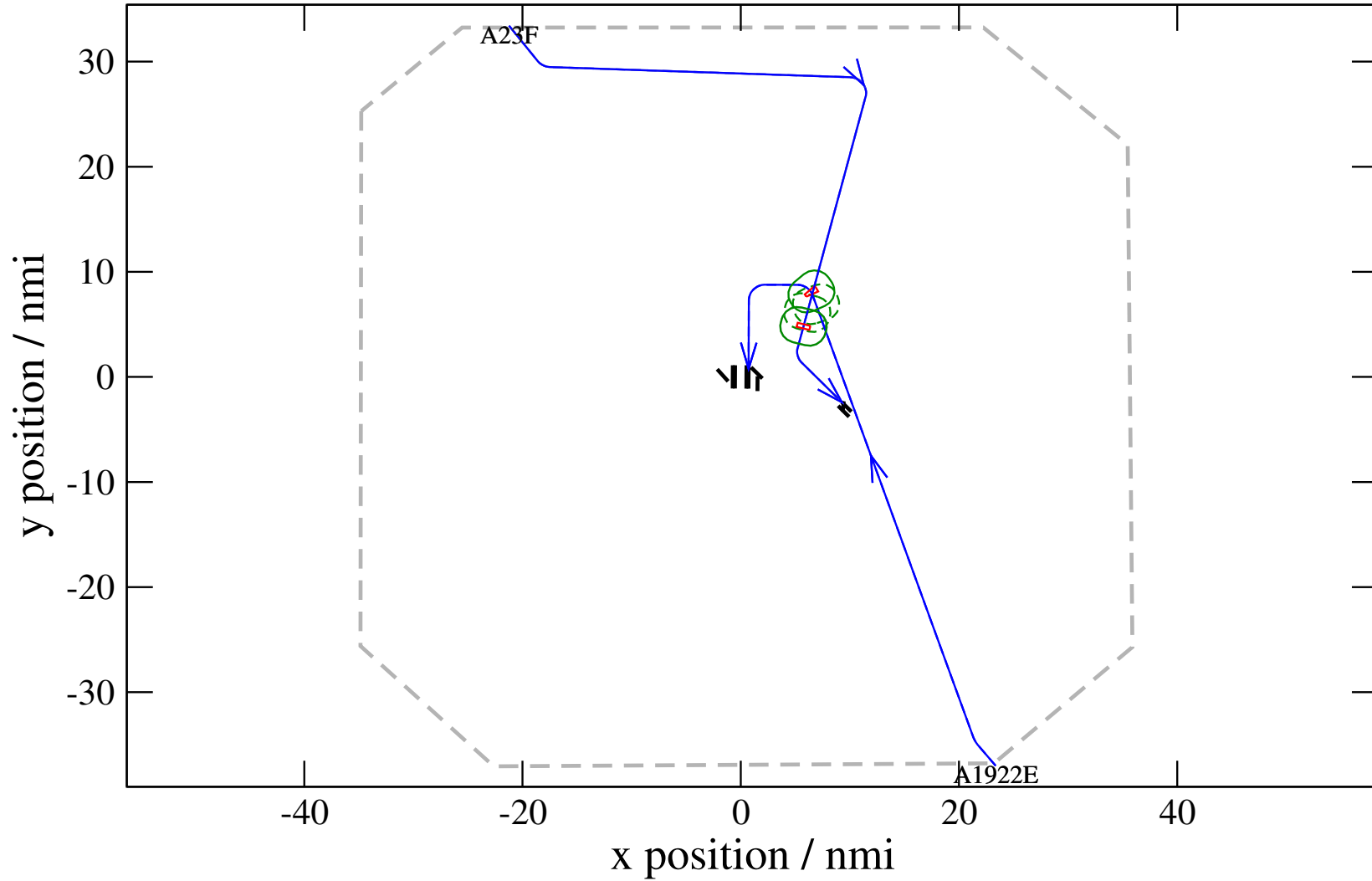
Maneuver Altitude Profiles

+ A1922E-A23F 0.882V->1.095H: A1922E temp alt 4.0 kft, 1.0 Min (+0 s) 23-1922-36



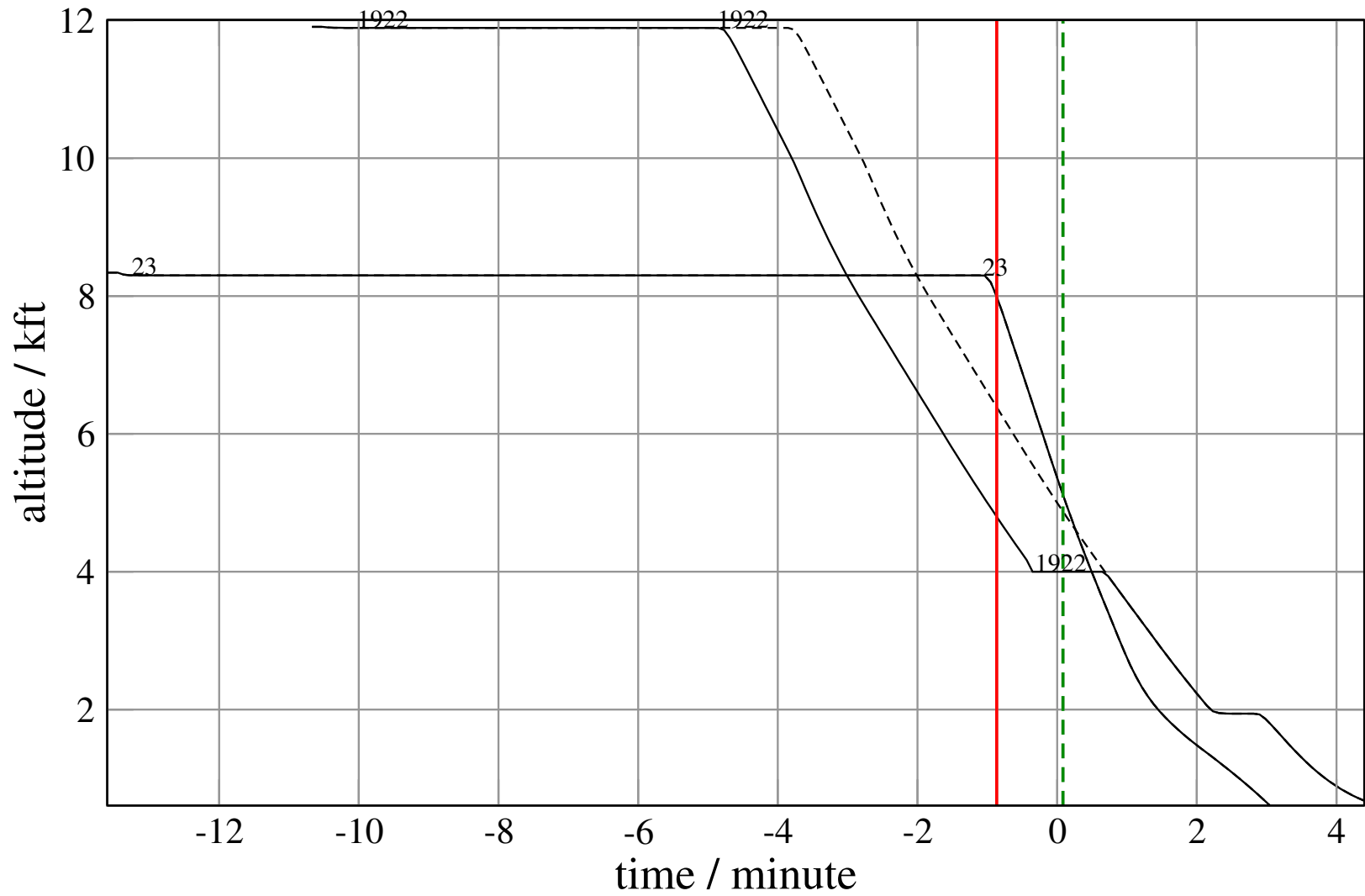
Maneuver Planview

+ A1922E-A23F 0.218H->1.014V: A1922E temp alt 4.0 kft, 1.0 Min (+0 s) 23-1922-37



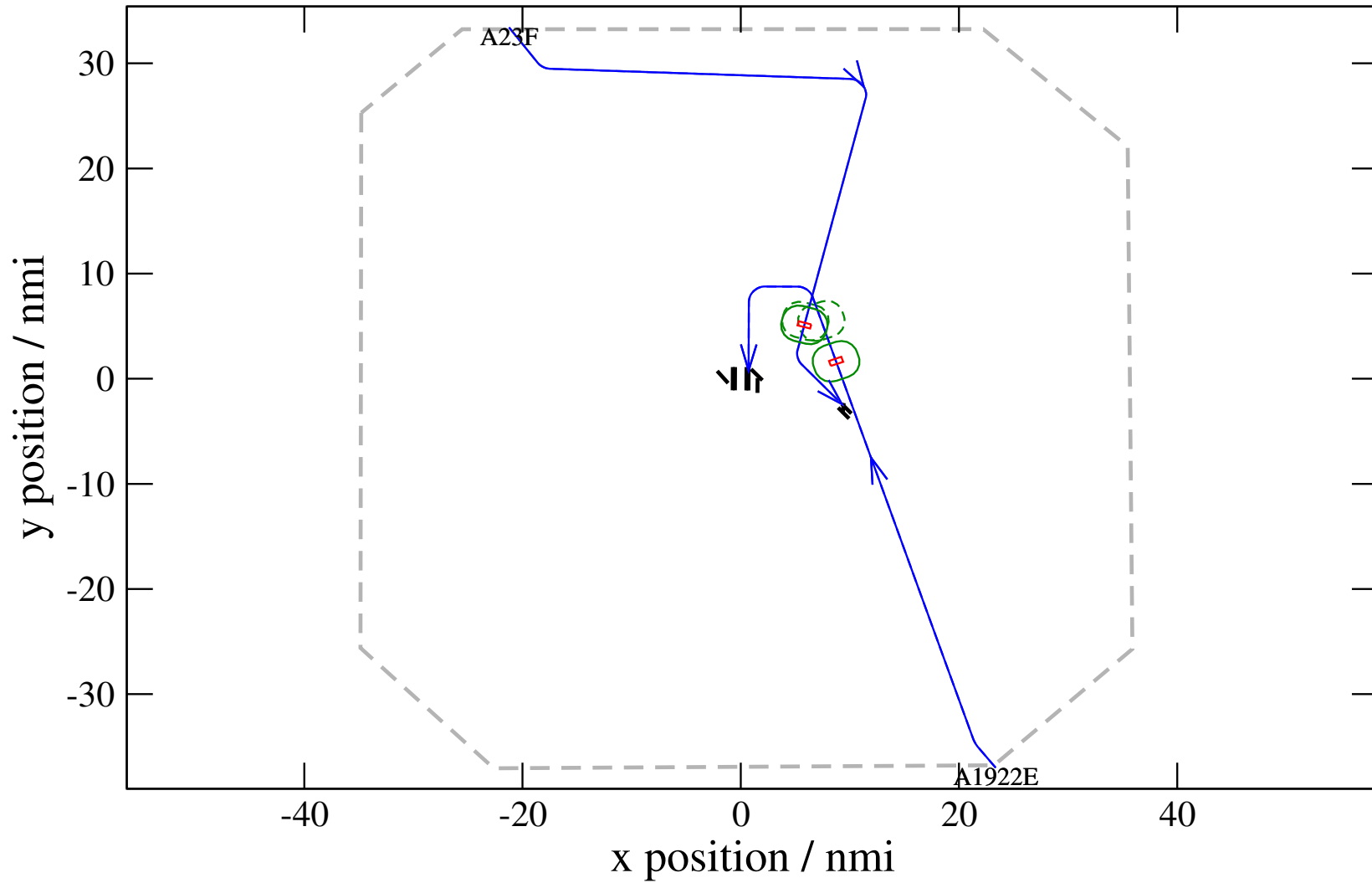
Maneuver Altitude Profiles

+ A1922E-A23F 0.218H->1.014V: A1922E temp alt 4.0 kft, 1.0 Min (+0 s) 23-1922-37



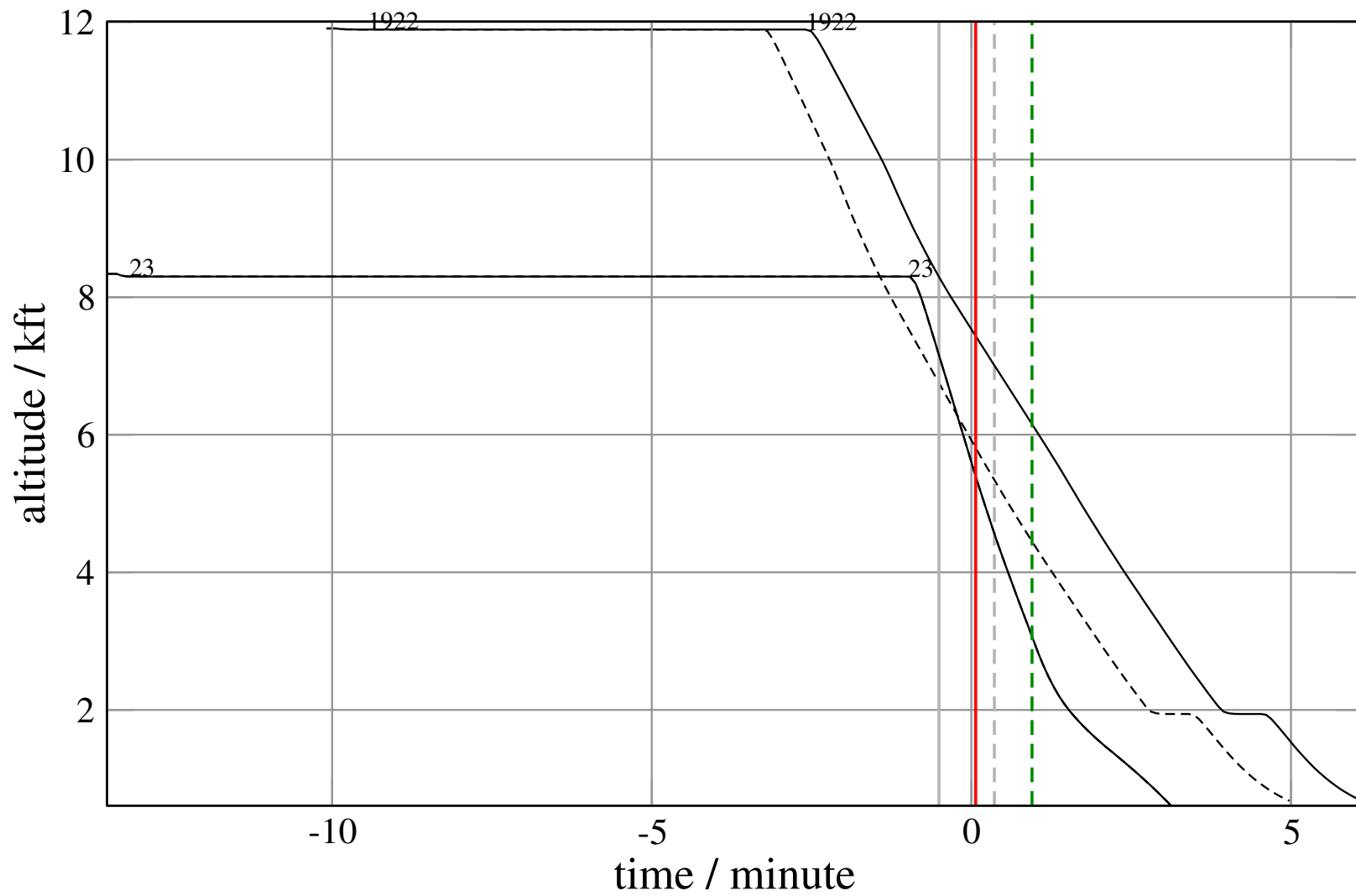
Maneuver Planview

+ A1922E-A23F 0.063H->1.291V: A1922E speed dec 30 kn (+68 s) 23-1922-38



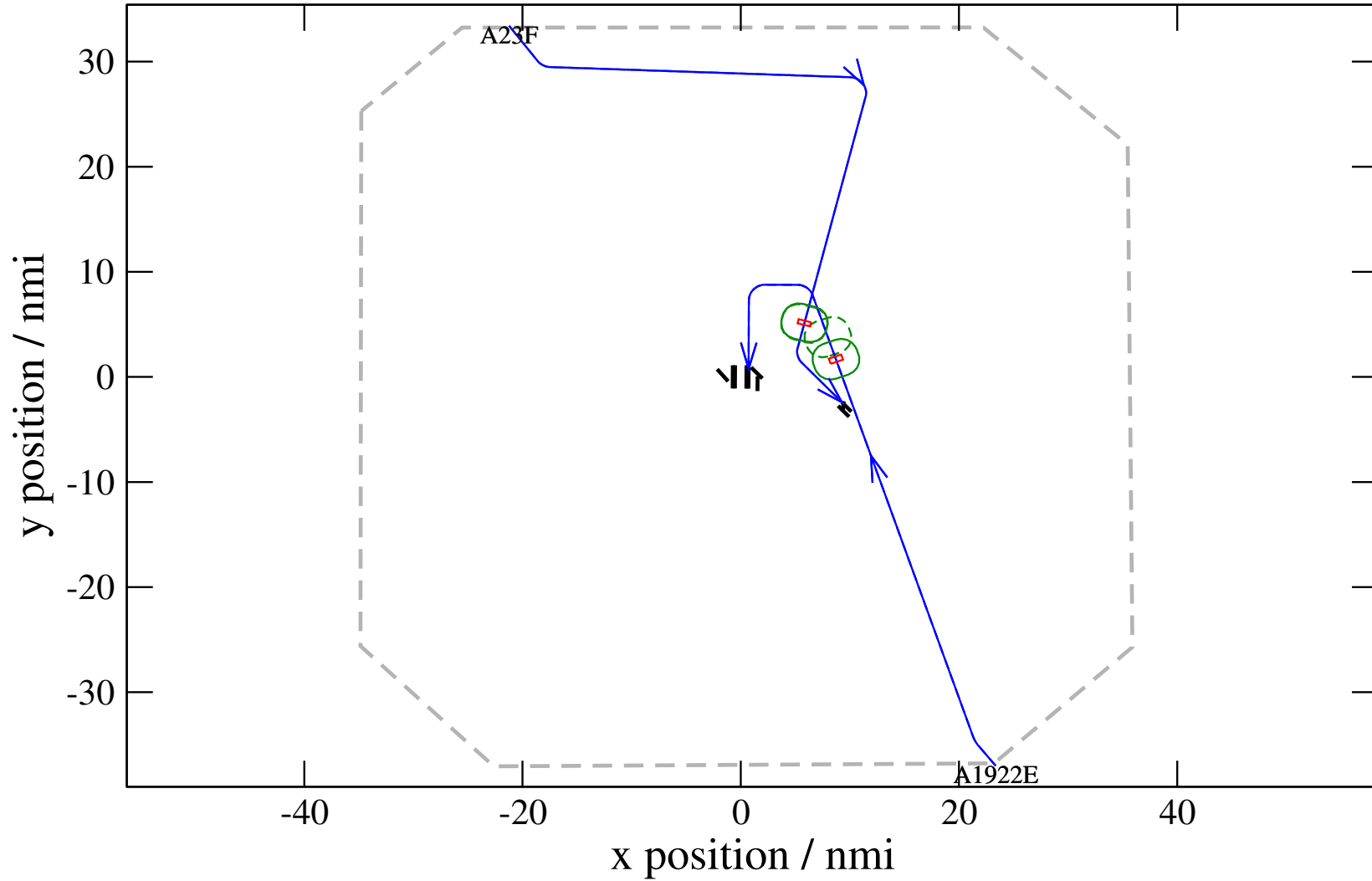
Maneuver Altitude Profiles

+ A1922E-A23F 0.063H->1.291V: A1922E speed dec 30 kn (+68 s) 23-1922-38



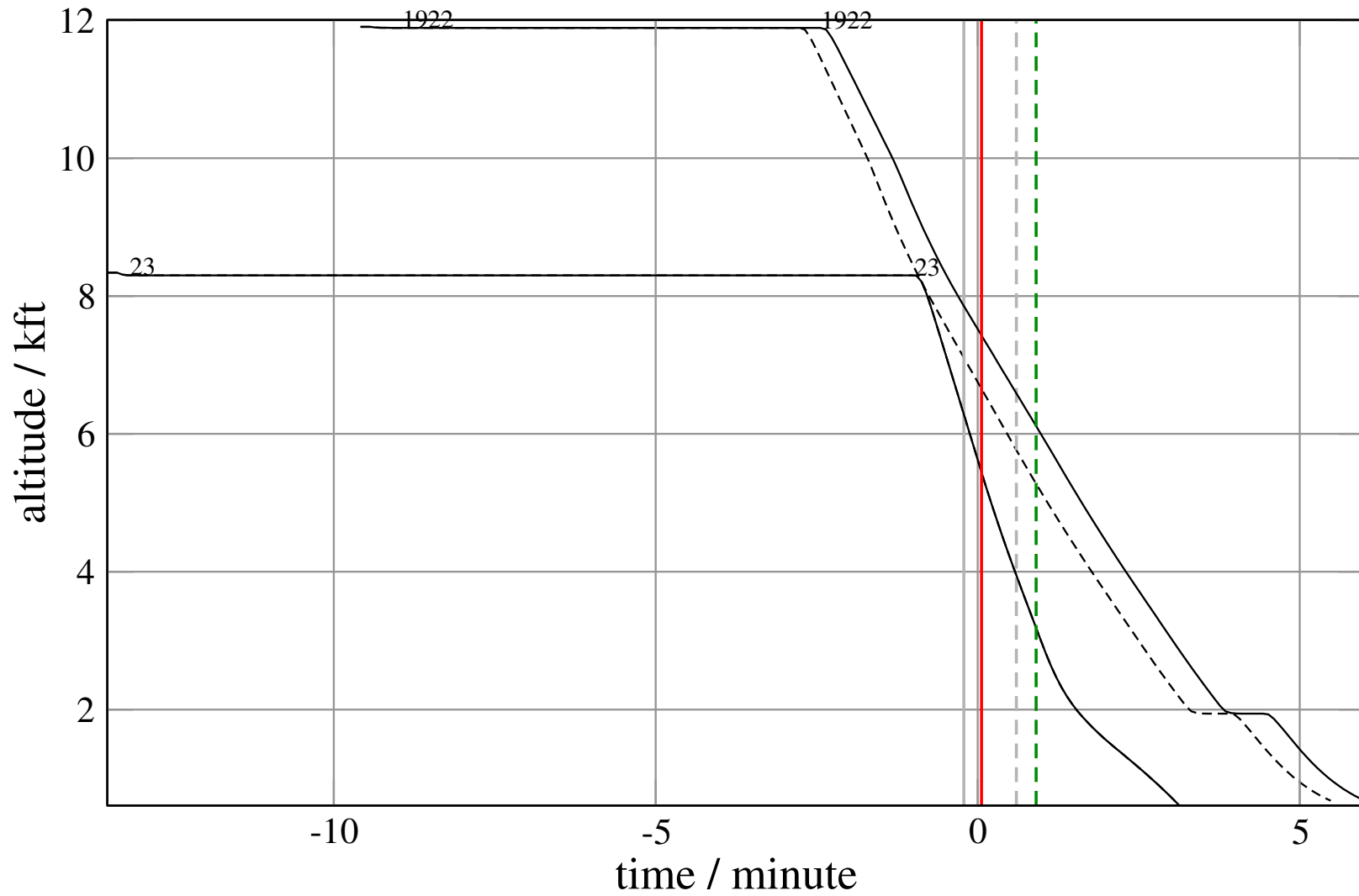
Maneuver Planview

+ A1922E-A23F 0.526H->1.272H: A1922E speed dec 15 kn (+32 s) 23-1922-39



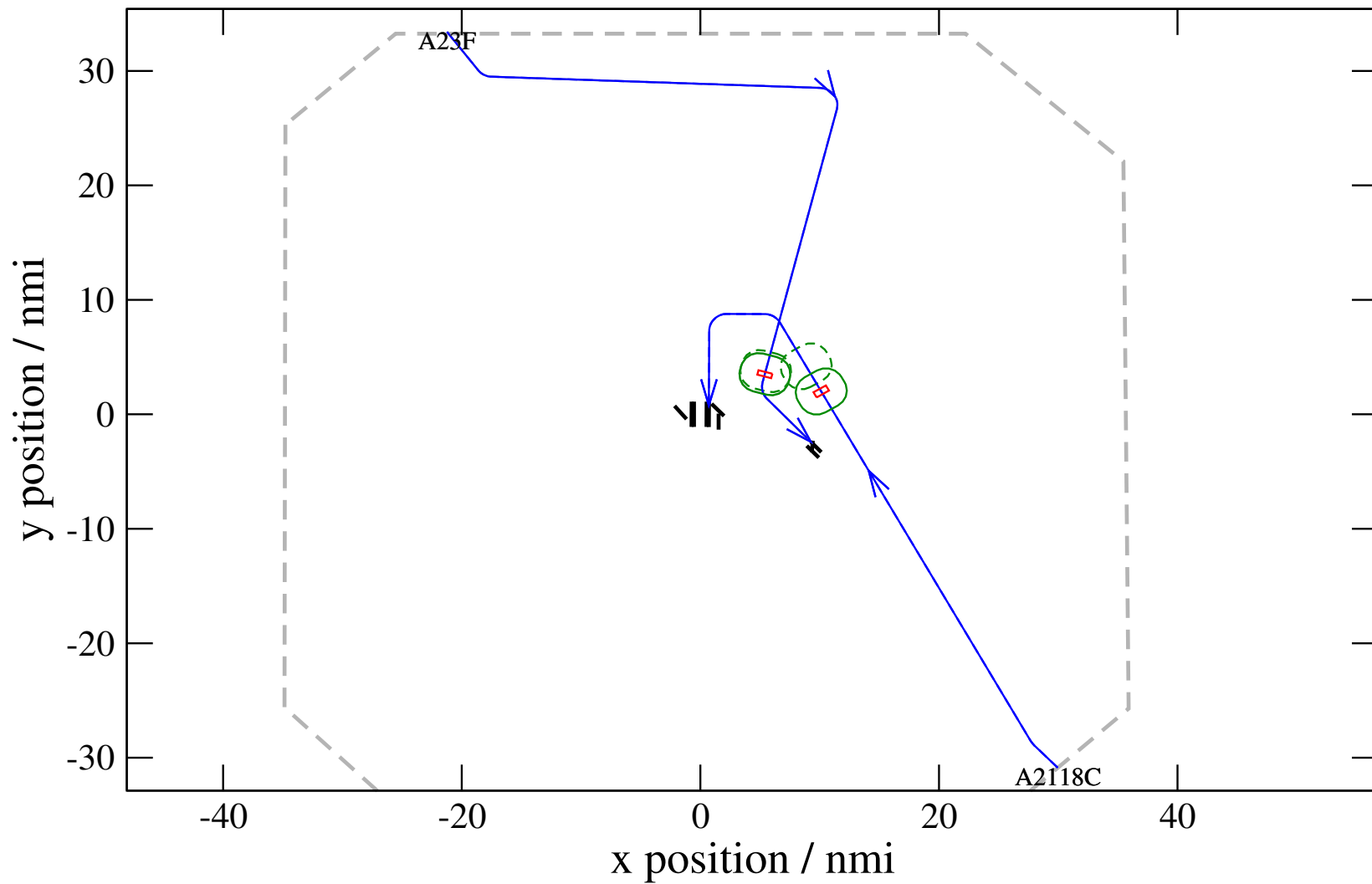
Maneuver Altitude Profiles

+ A1922E-A23F 0.526H->1.272H: A1922E speed dec 15 kn (+32 s) 23-1922-39



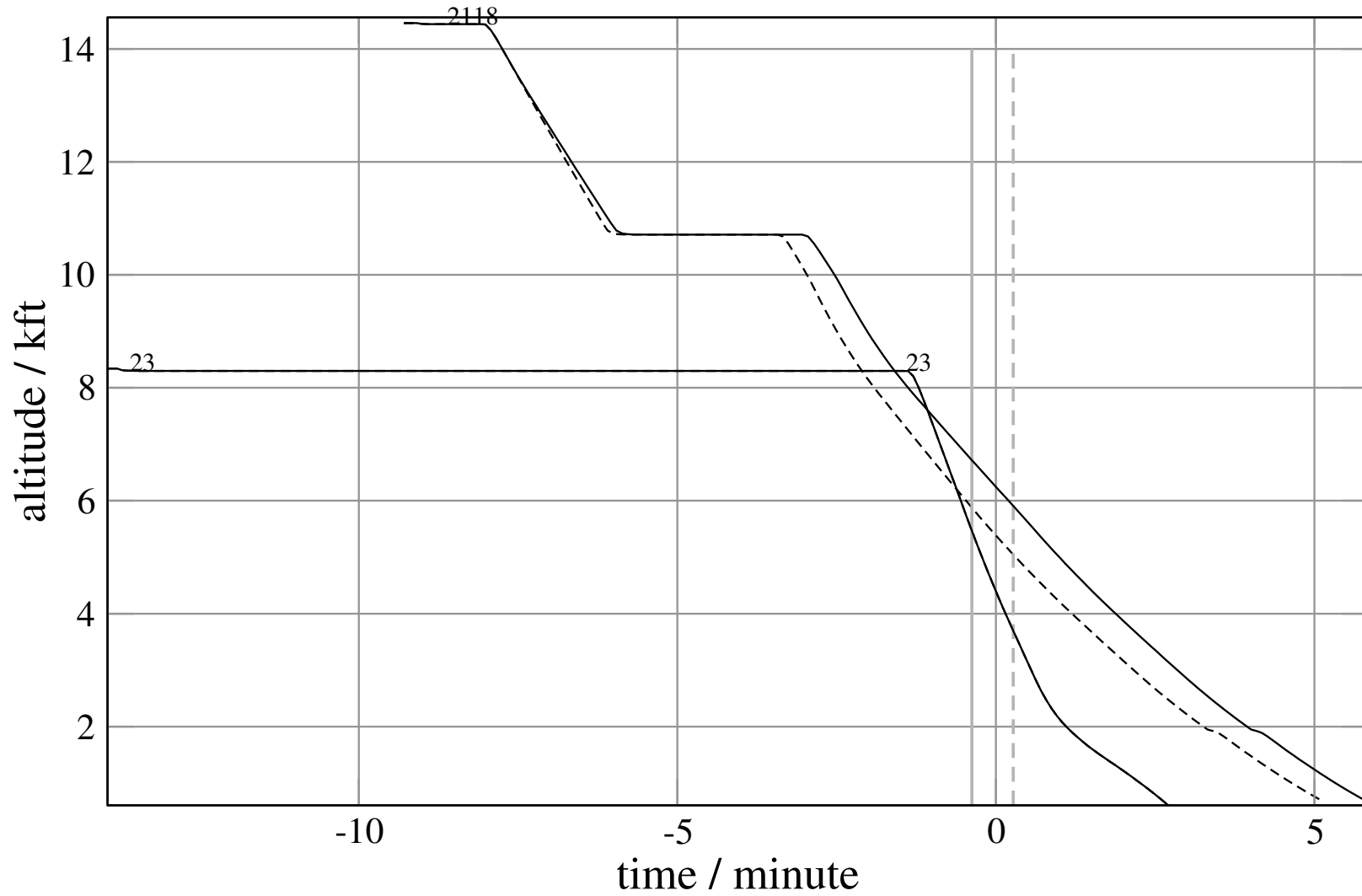
Maneuver Planview

+ A2118C-A23F 0.713H->1.269H: A2118C speed dec 22 kn (+41 s) 2118-23-25



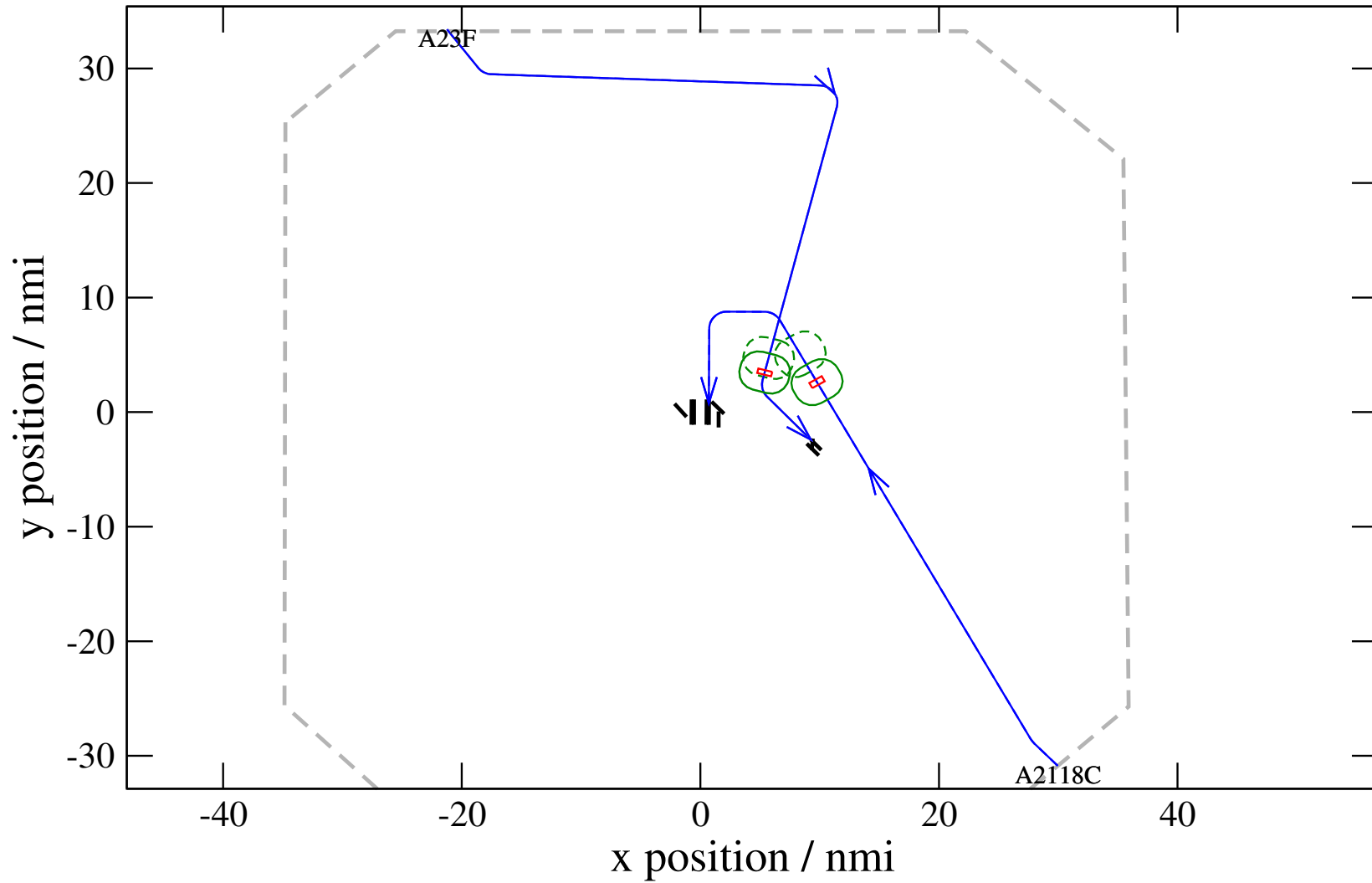
Maneuver Altitude Profiles

+ A2118C-A23F 0.713H->1.269H: A2118C speed dec 22 kn (+41 s) 2118-23-25



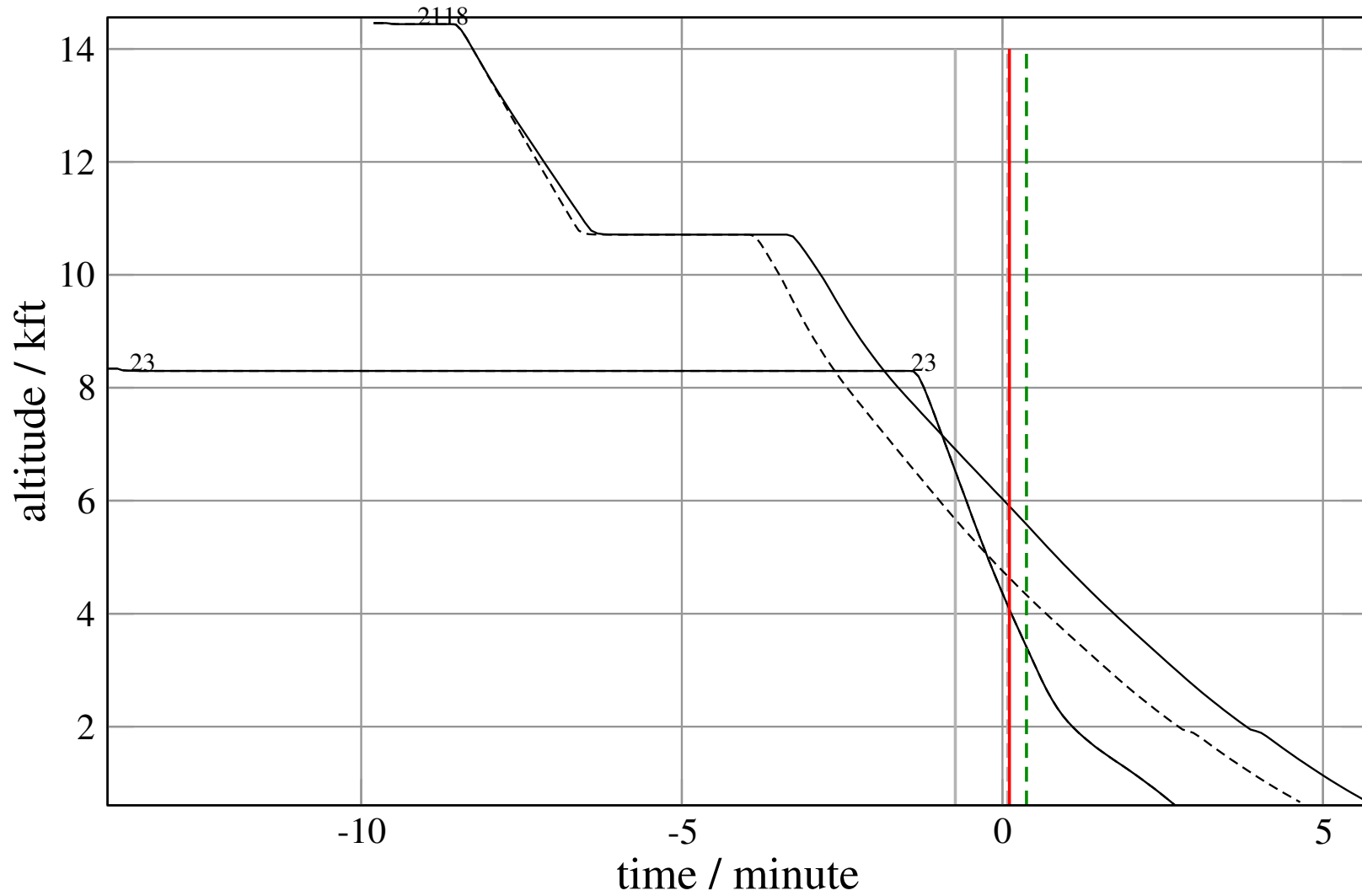
Maneuver Planview

+ A2118C-A23F 0.463H->1.084V: A2118C speed dec 32 kn (+64 s) 2118-23-26



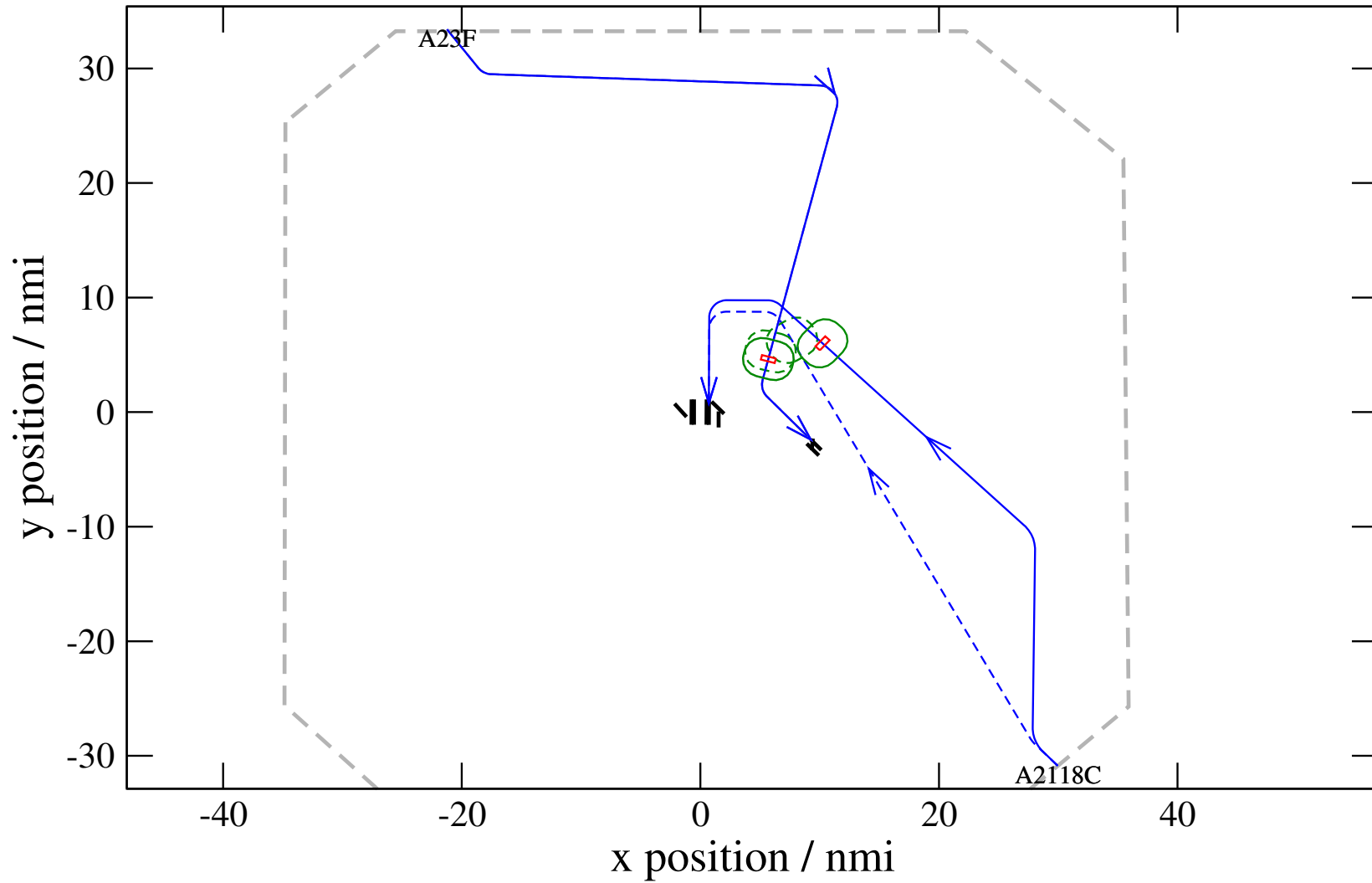
Maneuver Altitude Profiles

+ A2118C-A23F 0.463H->1.084V: A2118C speed dec 32 kn (+64 s) 2118-23-26



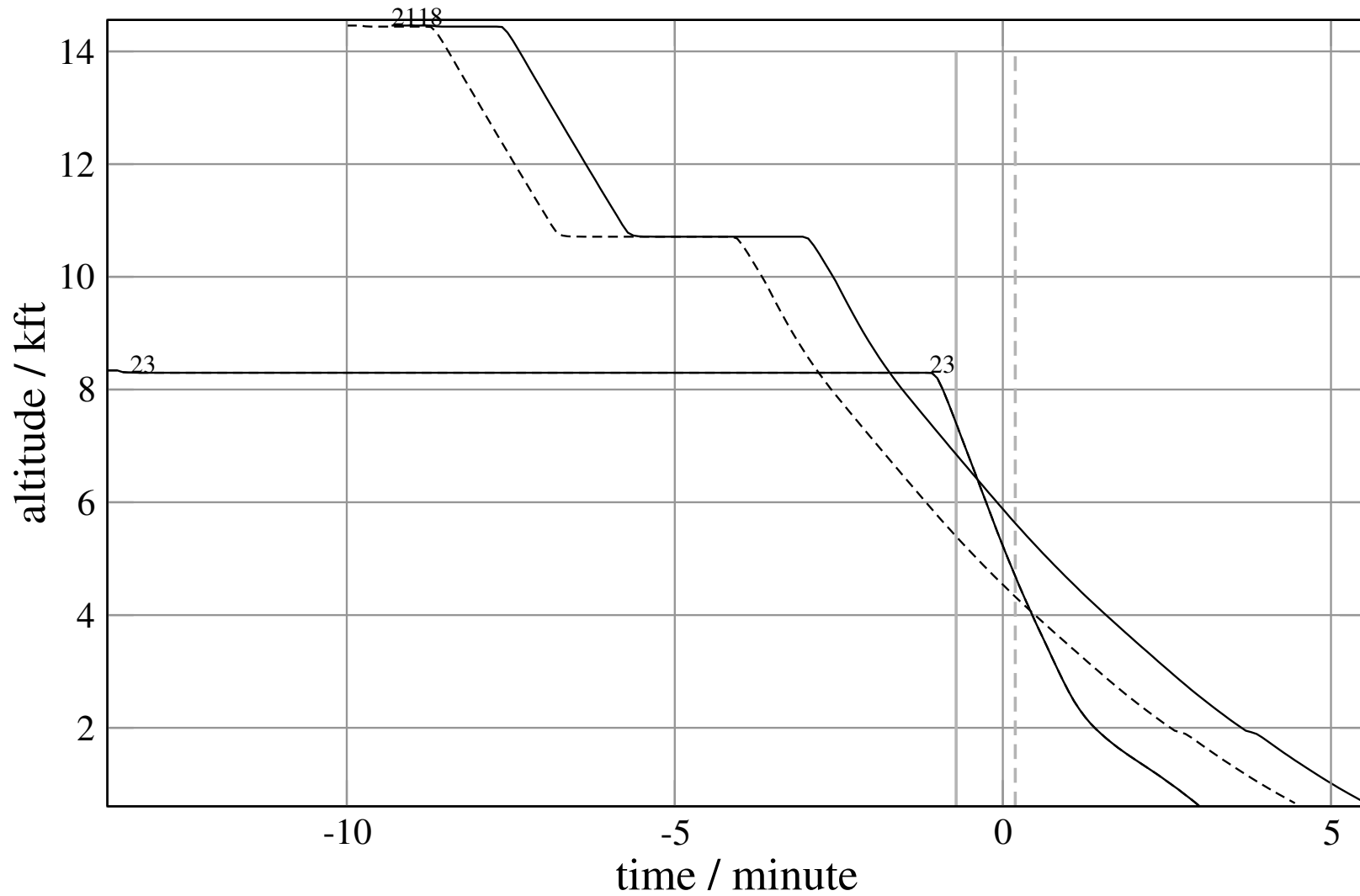
Maneuver Planview

+ A2118C-A23F 0.396H->1.160H: A2118C reroute 30 deg, 18 nm, 9 nm (+65 s) 2118-23-27



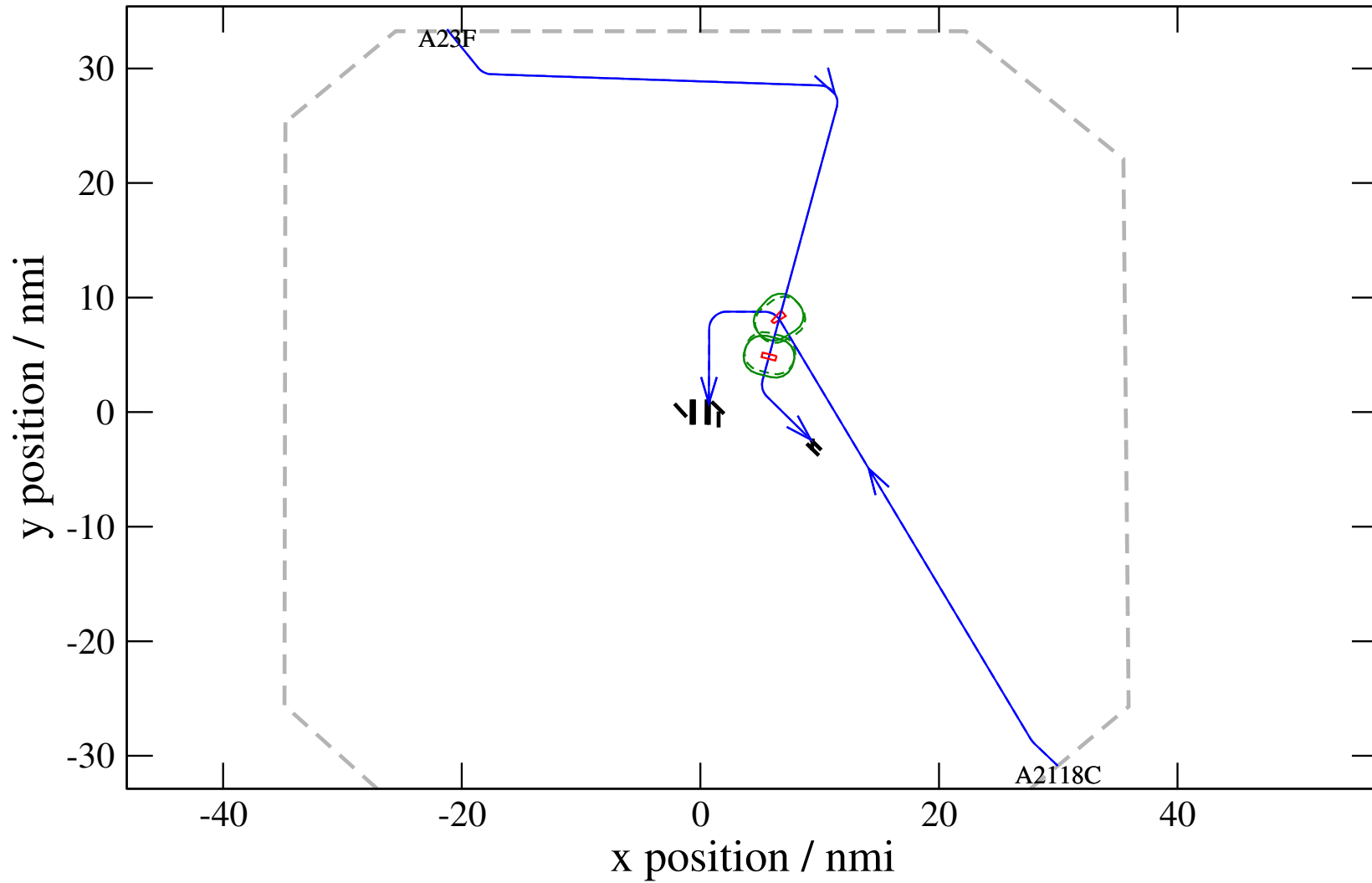
Maneuver Altitude Profiles

+ A2118C-A23F 0.396H->1.160H: A2118C reroute 30 deg, 18 nm, 9 nm (+65 s) 2118-23-27



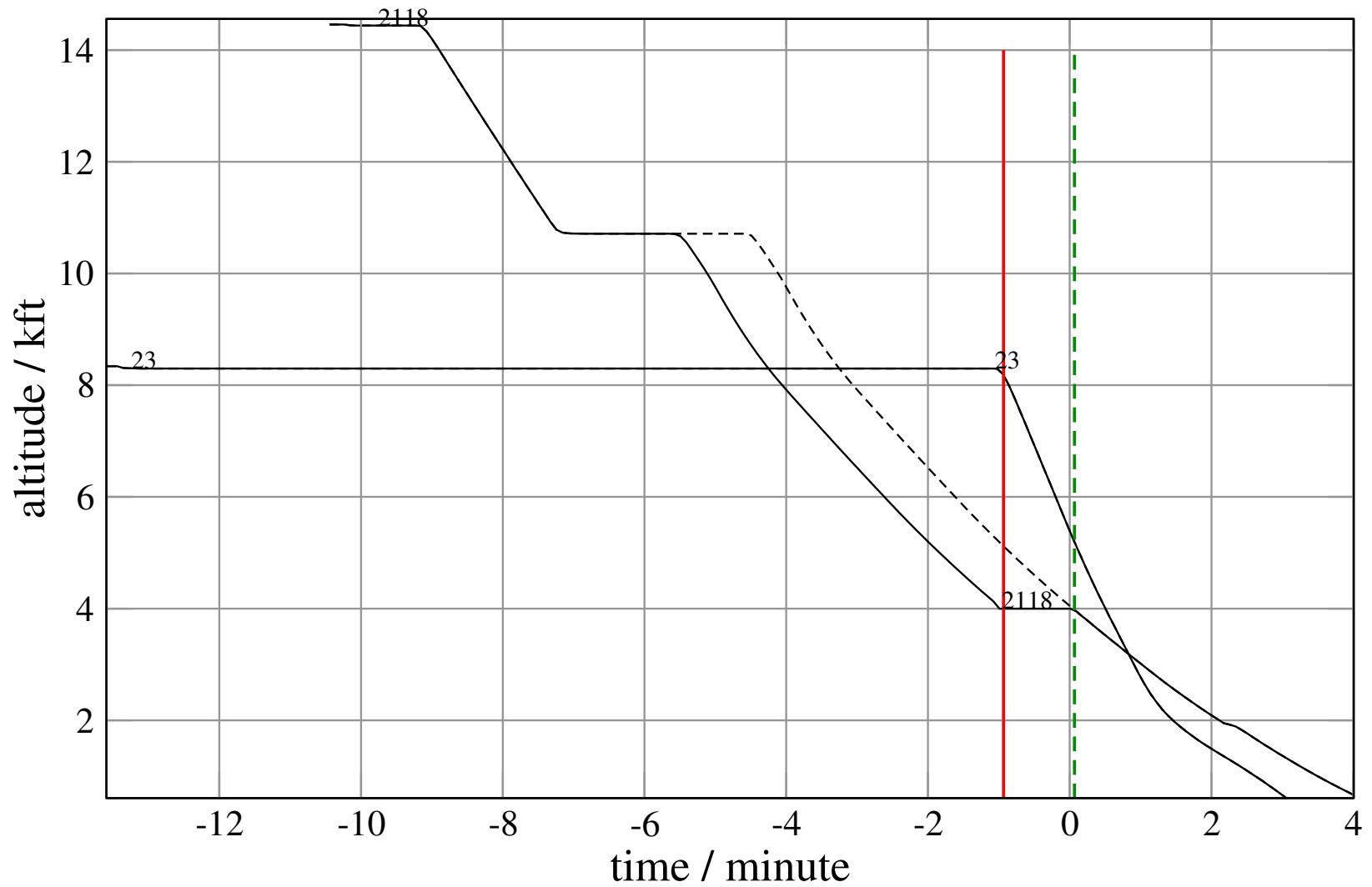
Maneuver Planview

+ A2118C-A23F 0.874V->1.044V: A2118C temp alt 4.0 kft, 1.0 Min (+0 s) 2118-23-28



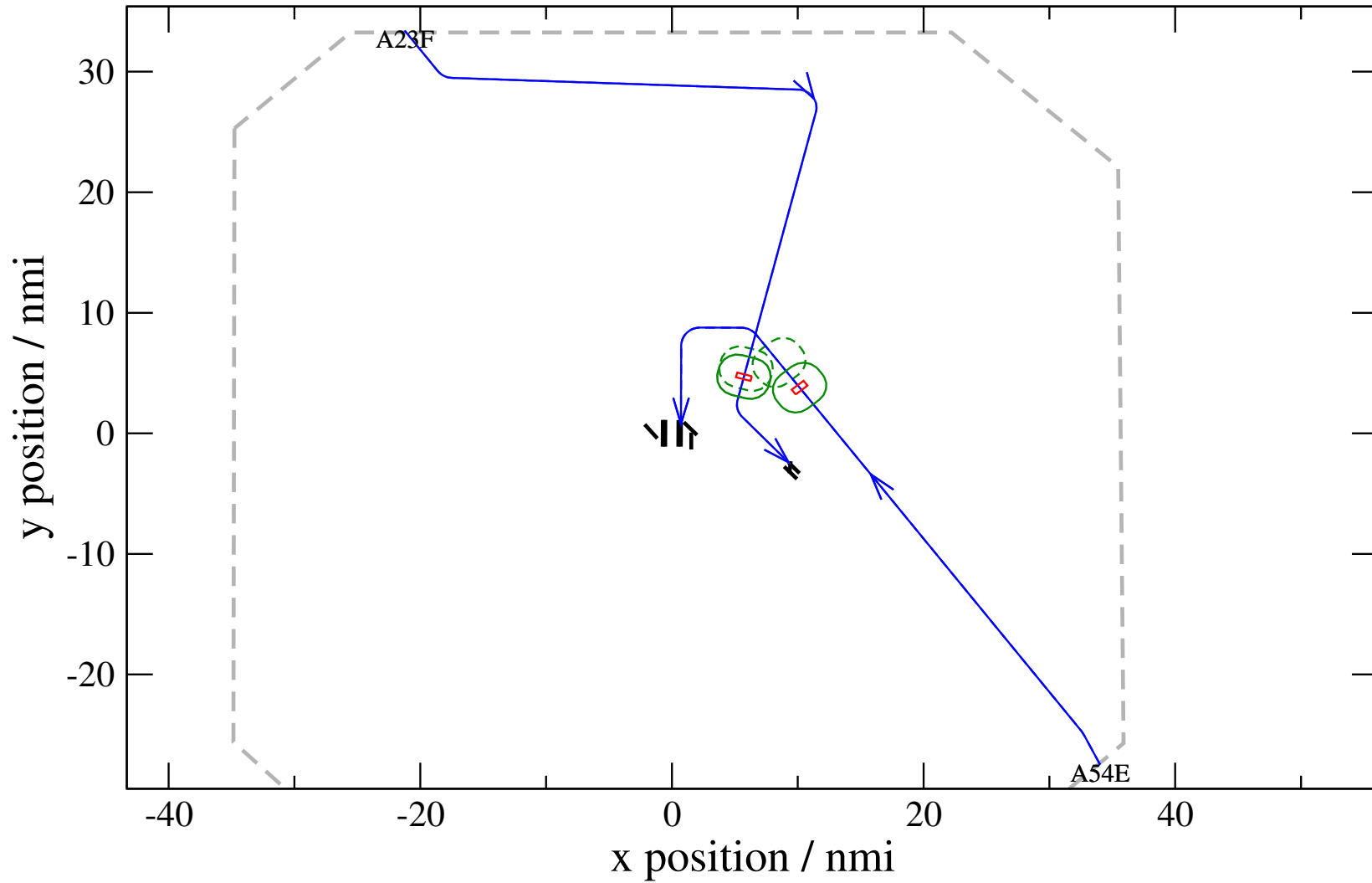
Maneuver Altitude Profiles

+ A2118C-A23F 0.874V->1.044V: A2118C temp alt 4.0 kft, 1.0 Min (+0 s) 2118-23-28



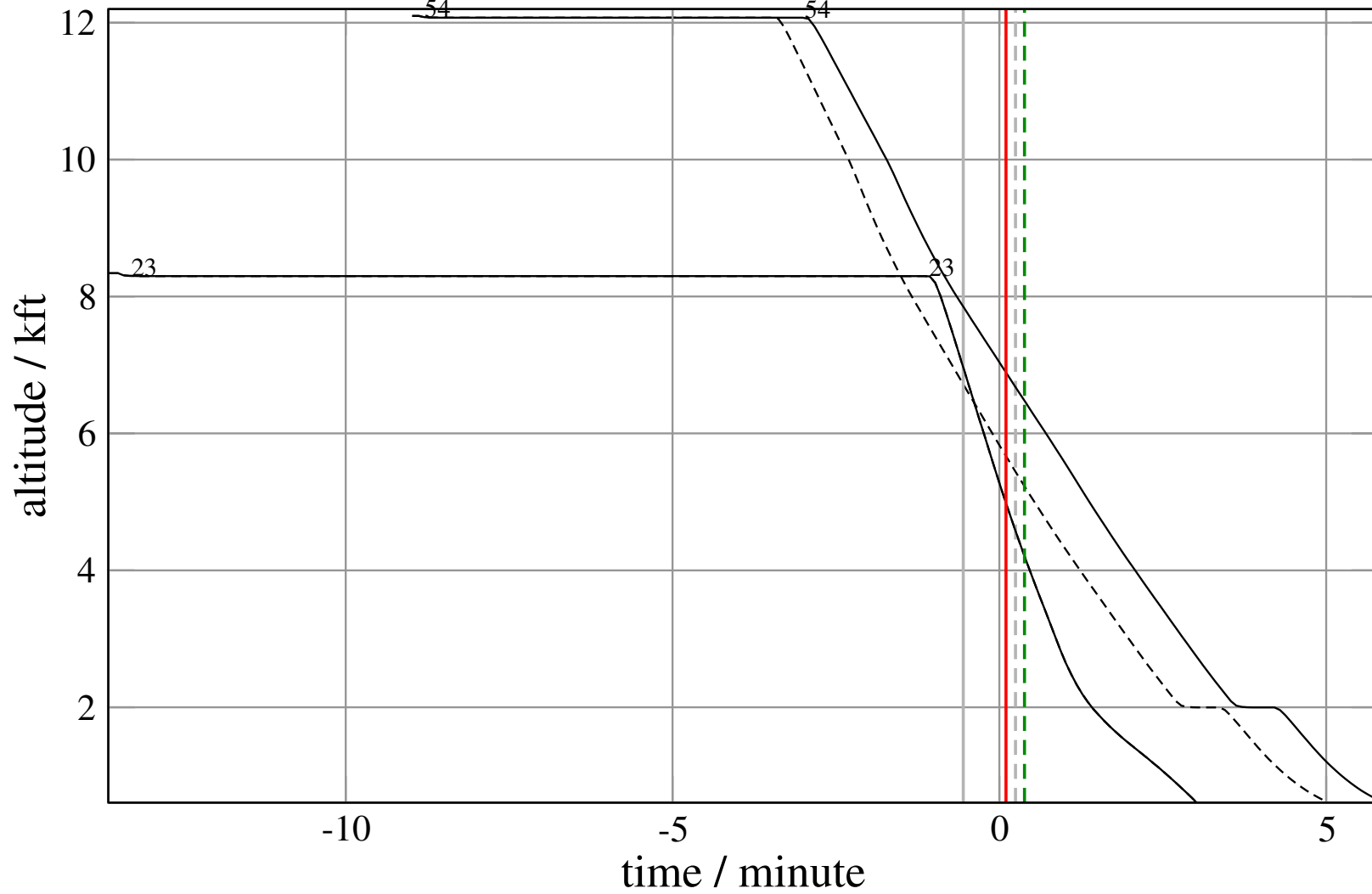
Maneuver Planview

+ A54E-A23F 0.466H->1.124V: A54E speed dec 25 kn (+50 s) 54-23-25



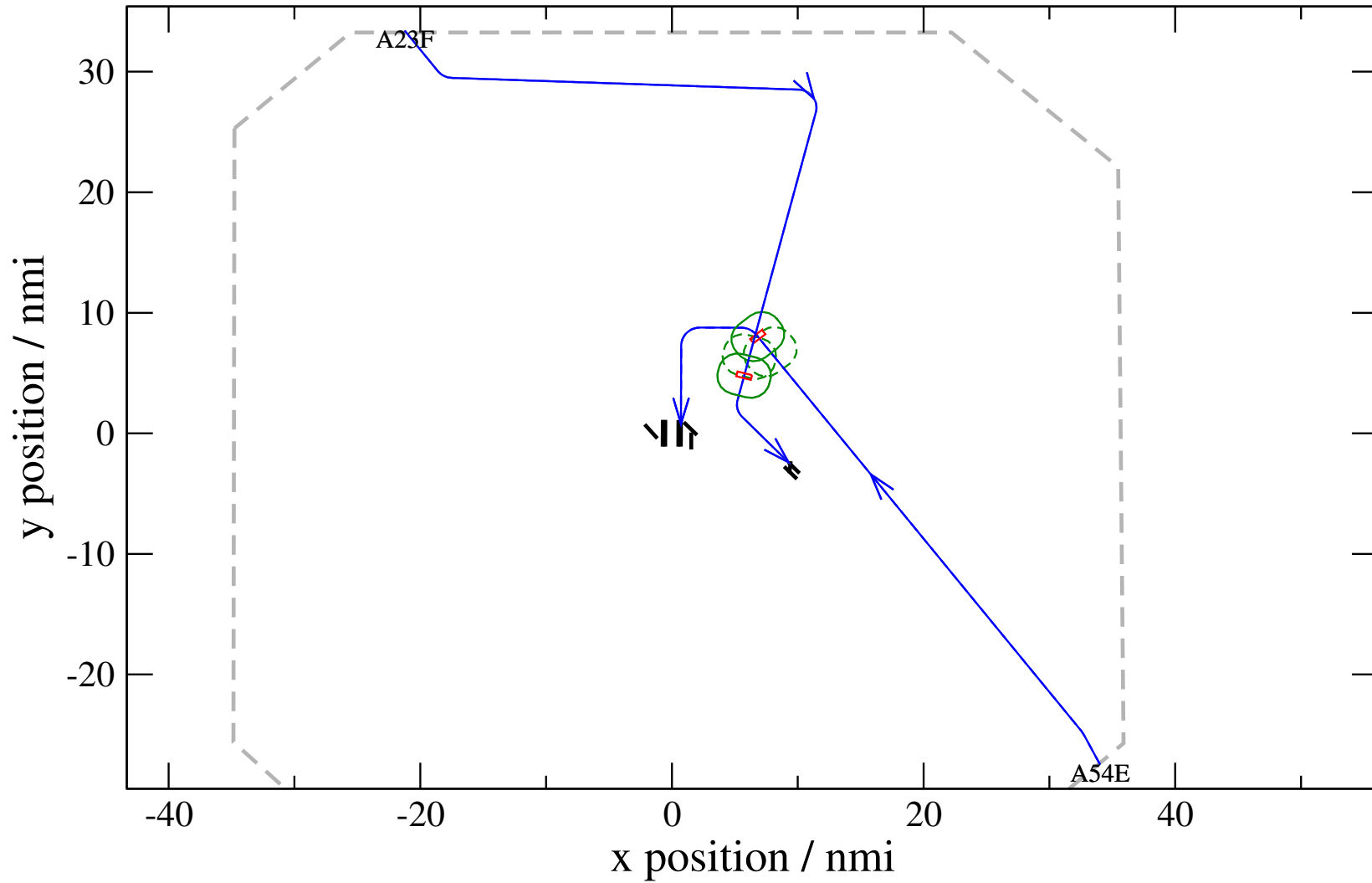
Maneuver Altitude Profiles

+ A54E-A23F 0.466H->1.124V: A54E speed dec 25 kn (+50 s) 54-23-25



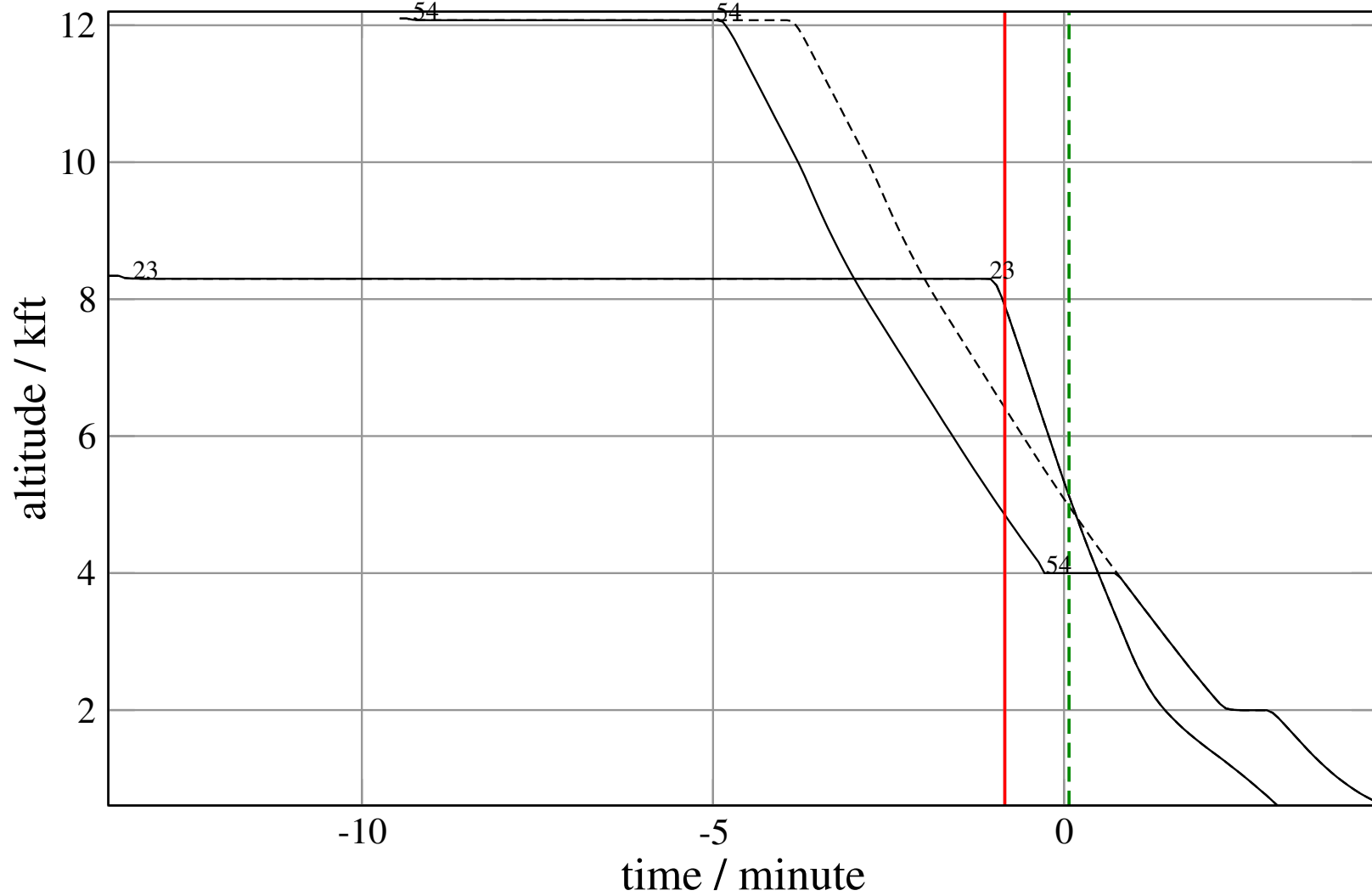
Maneuver Planview

+ A54E-A23F 0.274H->1.000H: A54E temp alt 4.0 kft, 1.0 Min (+0 s) 54-23-26



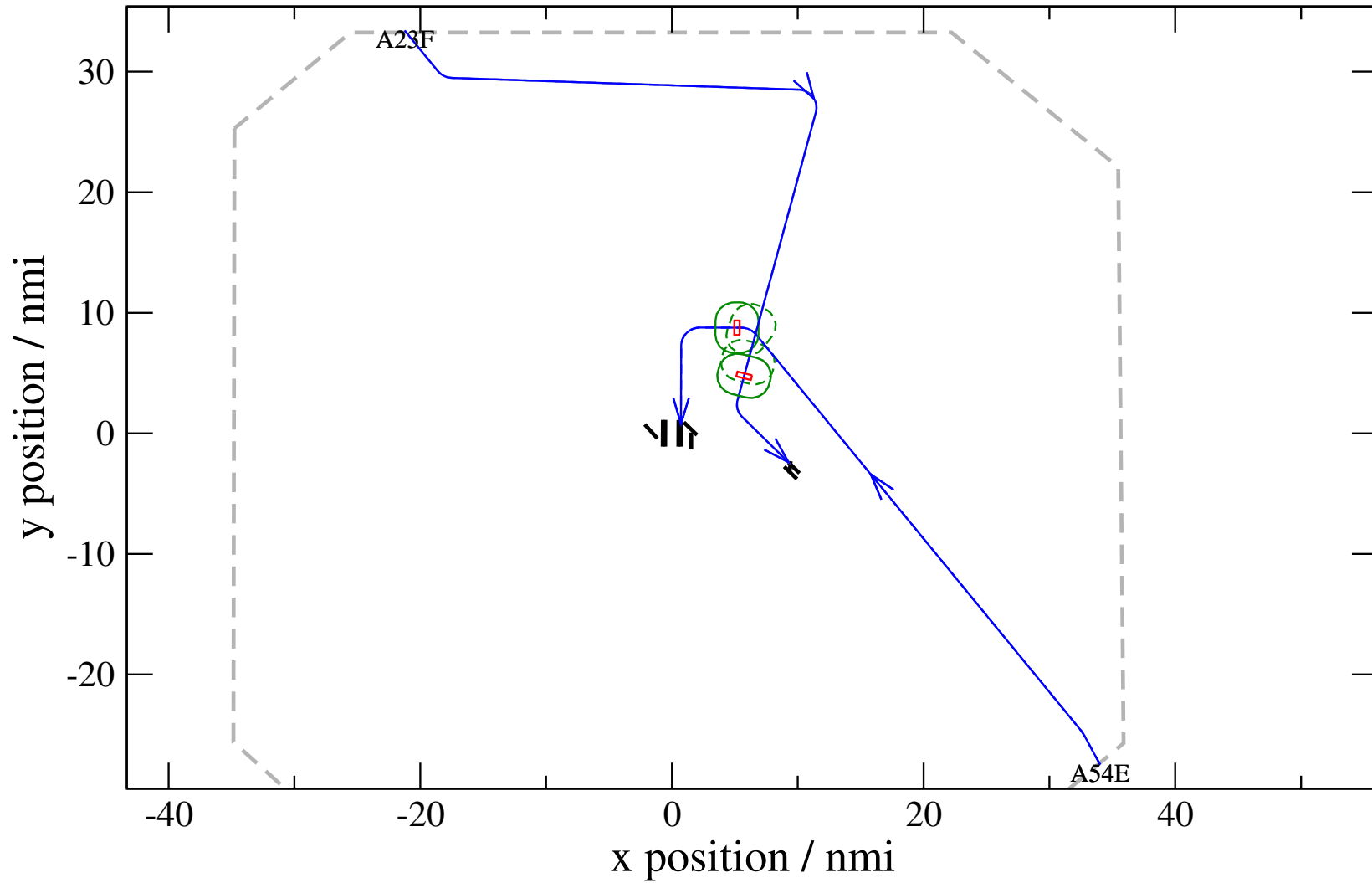
Maneuver Altitude Profiles

+ A54E-A23F 0.274H->1.000H: A54E temp alt 4.0 kft, 1.0 Min (+0 s) 54-23-26



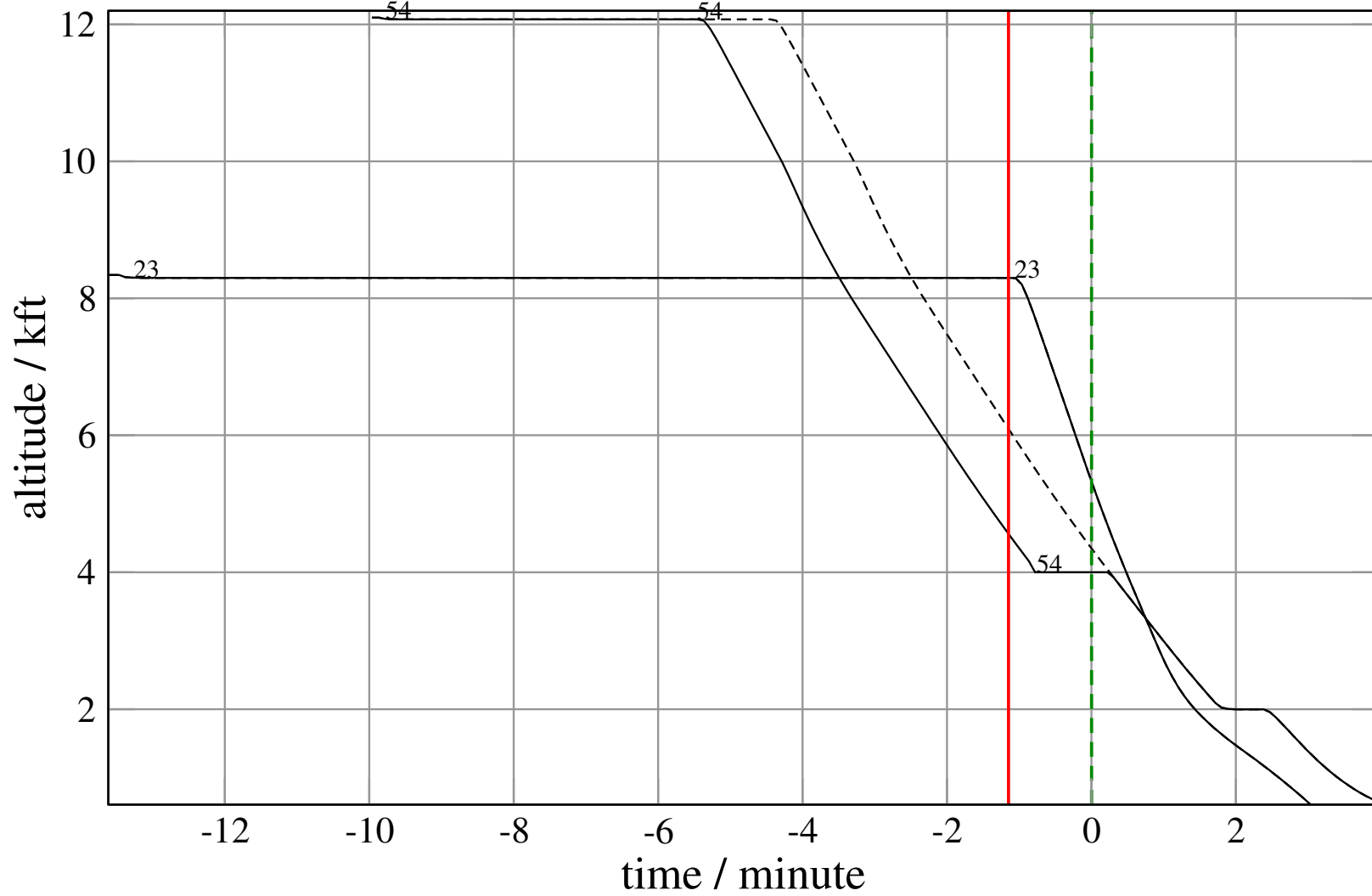
Maneuver Planview

+ A54E-A23F 0.806V->1.096H: A54E temp alt 4.0 kft, 1.0 Min (+0 s) 54-23-27



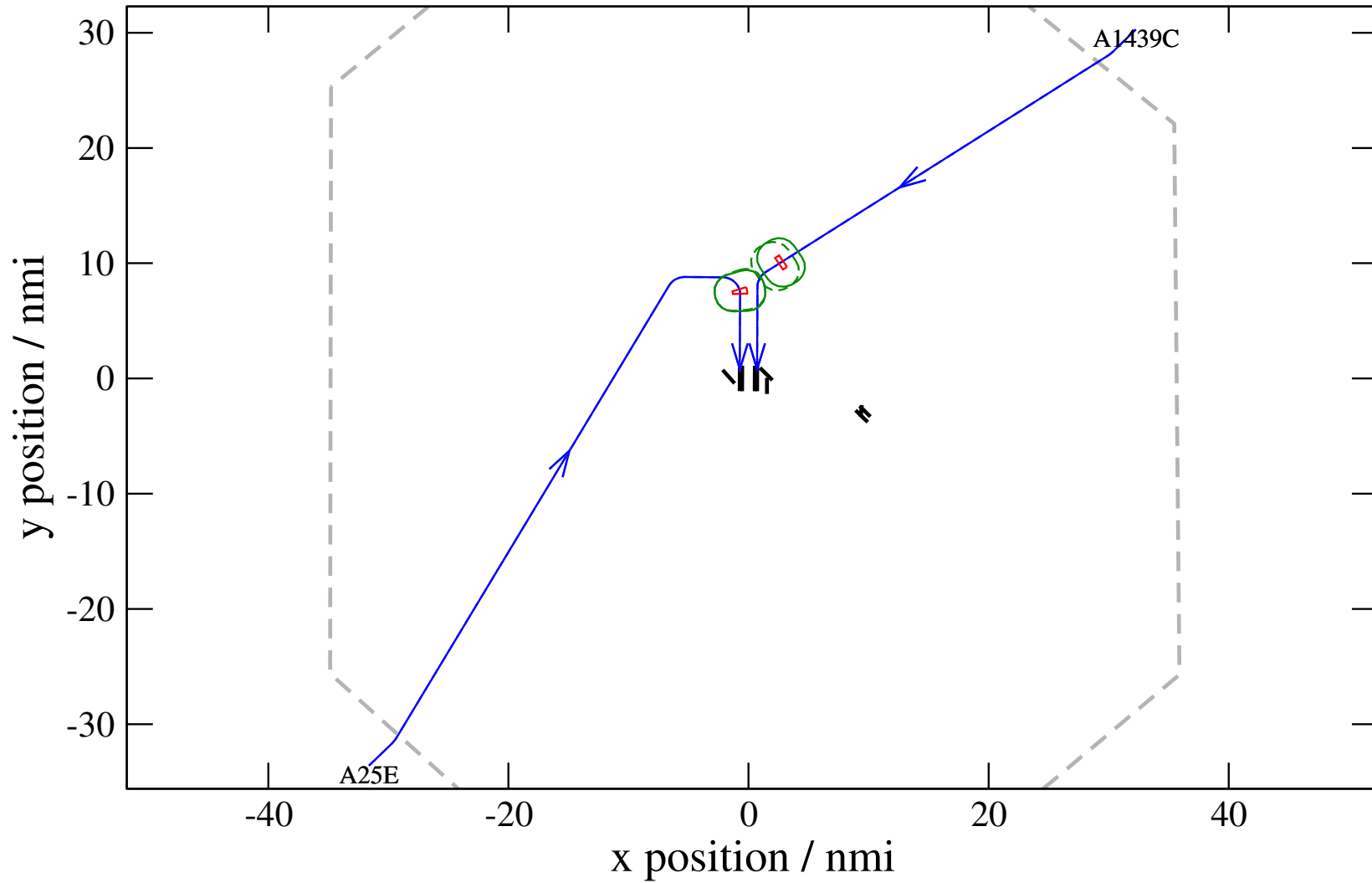
Maneuver Altitude Profiles

+ A54E-A23F 0.806V->1.096H: A54E temp alt 4.0 kft, 1.0 Min (+0 s) 54-23-27



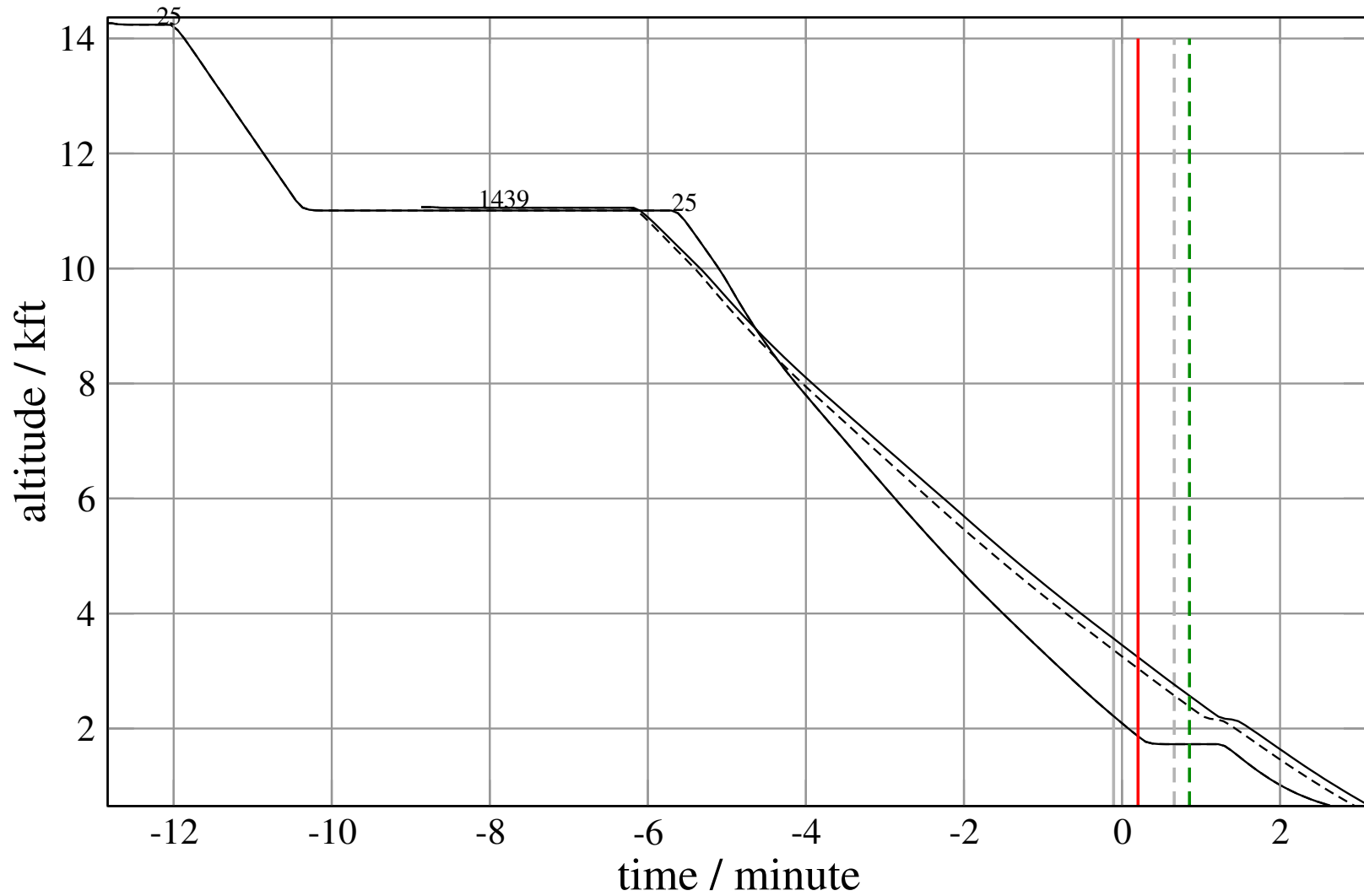
Maneuver Planview

+ A1439C-A25E 0.931V->1.134H: A1439C speed dec 10 kn (+11 s) 1439-25-24



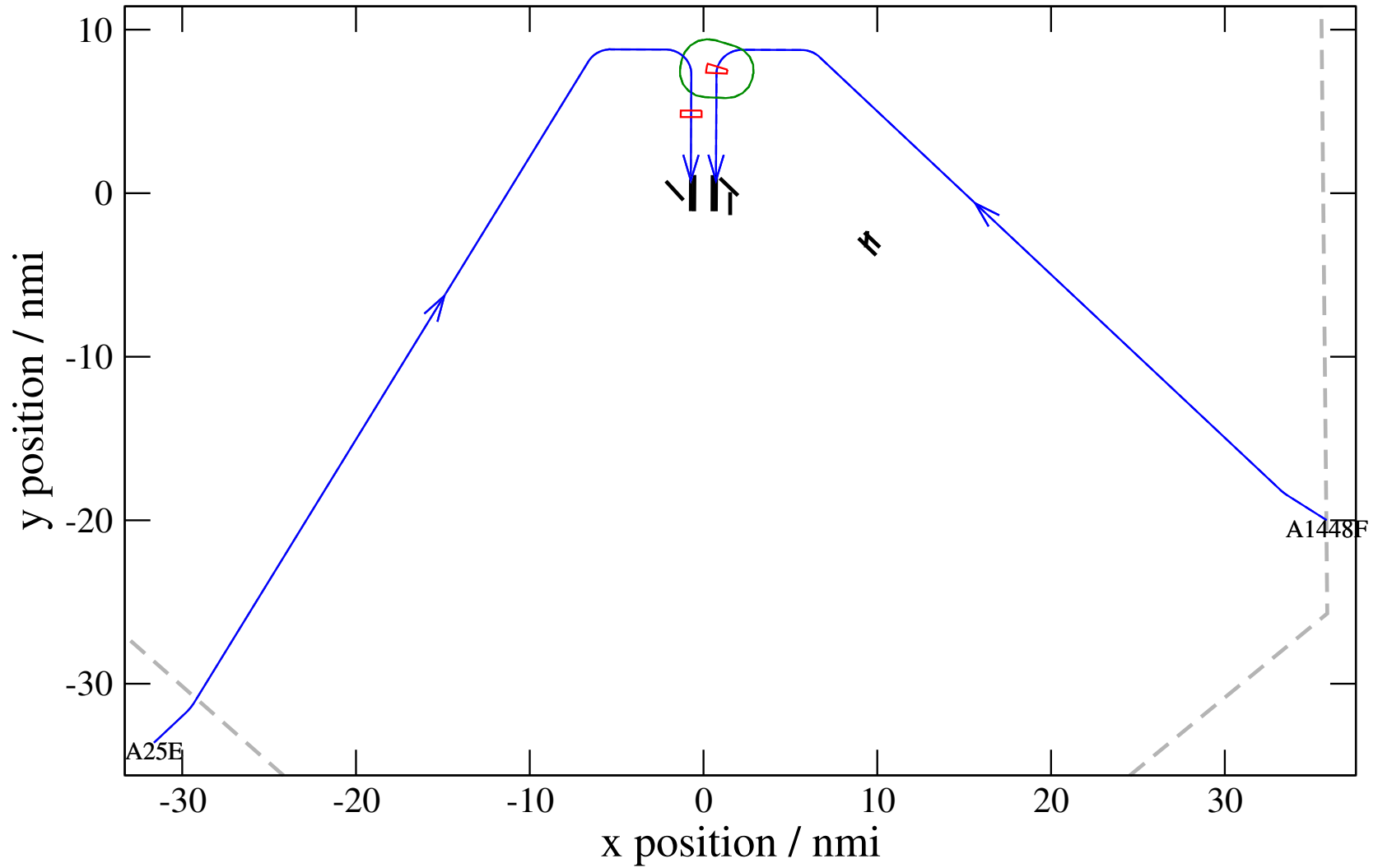
Maneuver Altitude Profiles

+ A1439C-A25E 0.931V->1.134H: A1439C speed dec 10 kn (+11 s) 1439-25-24



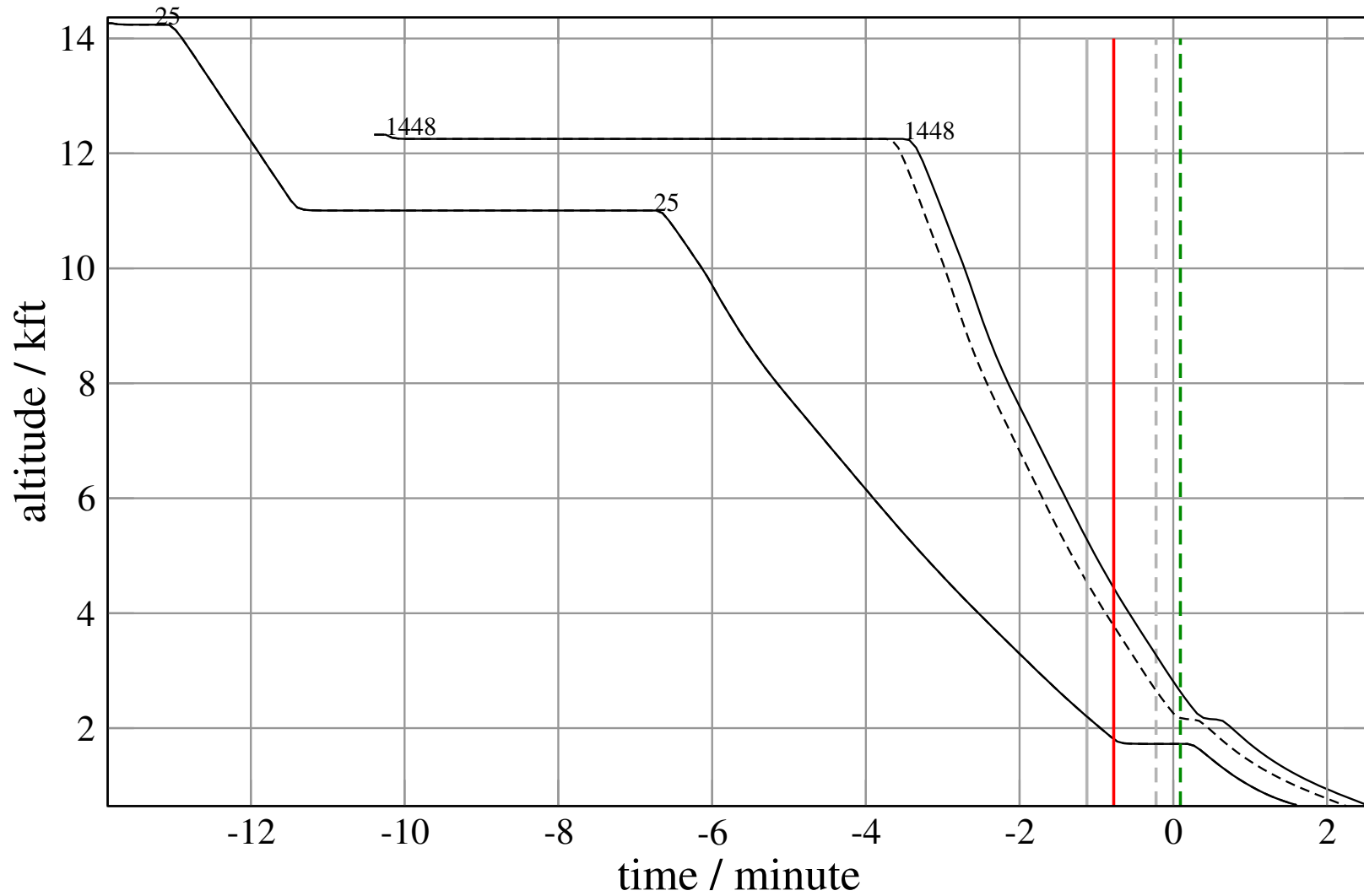
Maneuver Planview

+ A1448F-A25E 0.905V->1.232H: A1448F speed dec 10 kn (+18 s) 1448-25-25



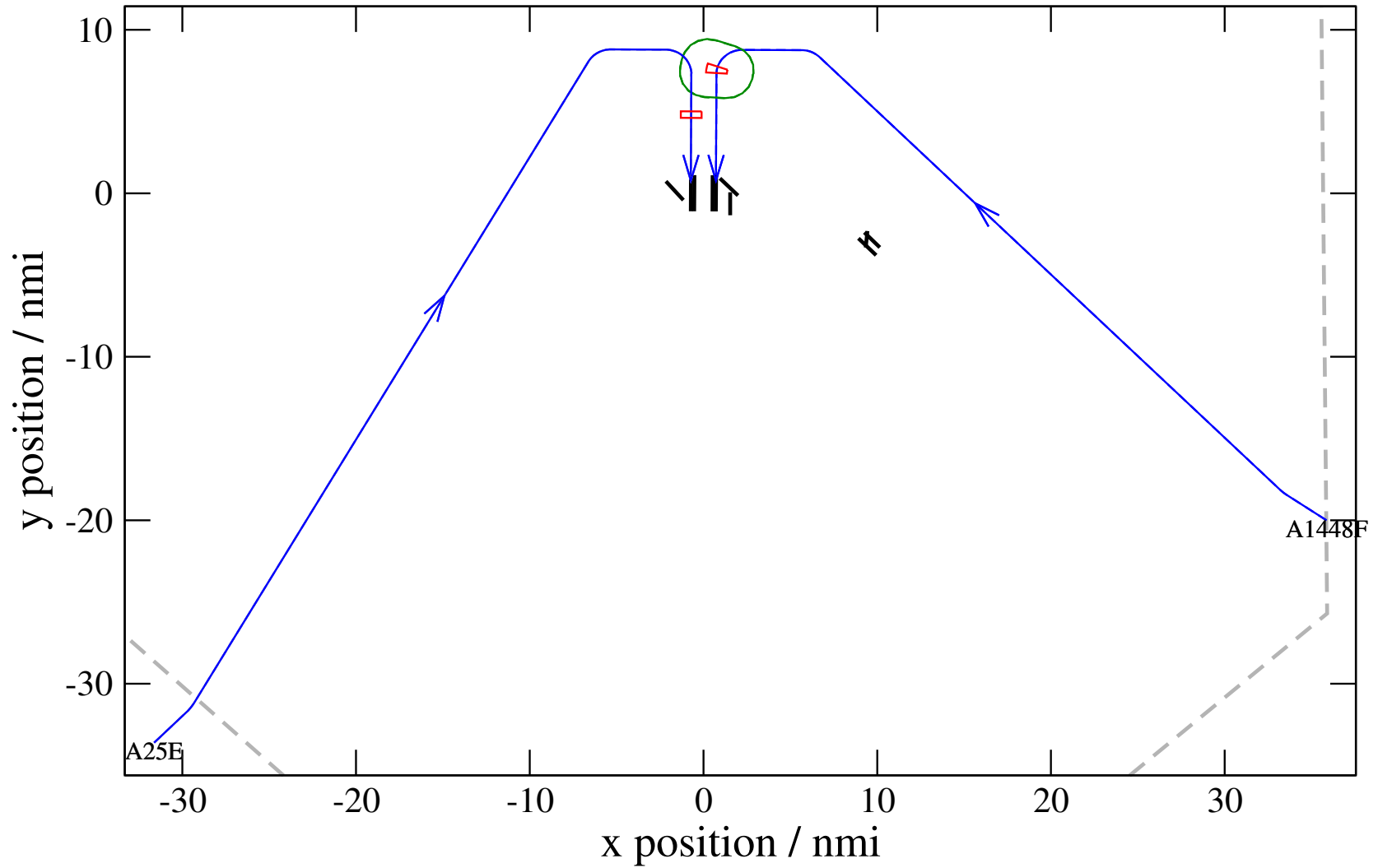
Maneuver Altitude Profiles

+ A1448F-A25E 0.905V->1.232H: A1448F speed dec 10 kn (+18 s) 1448-25-25



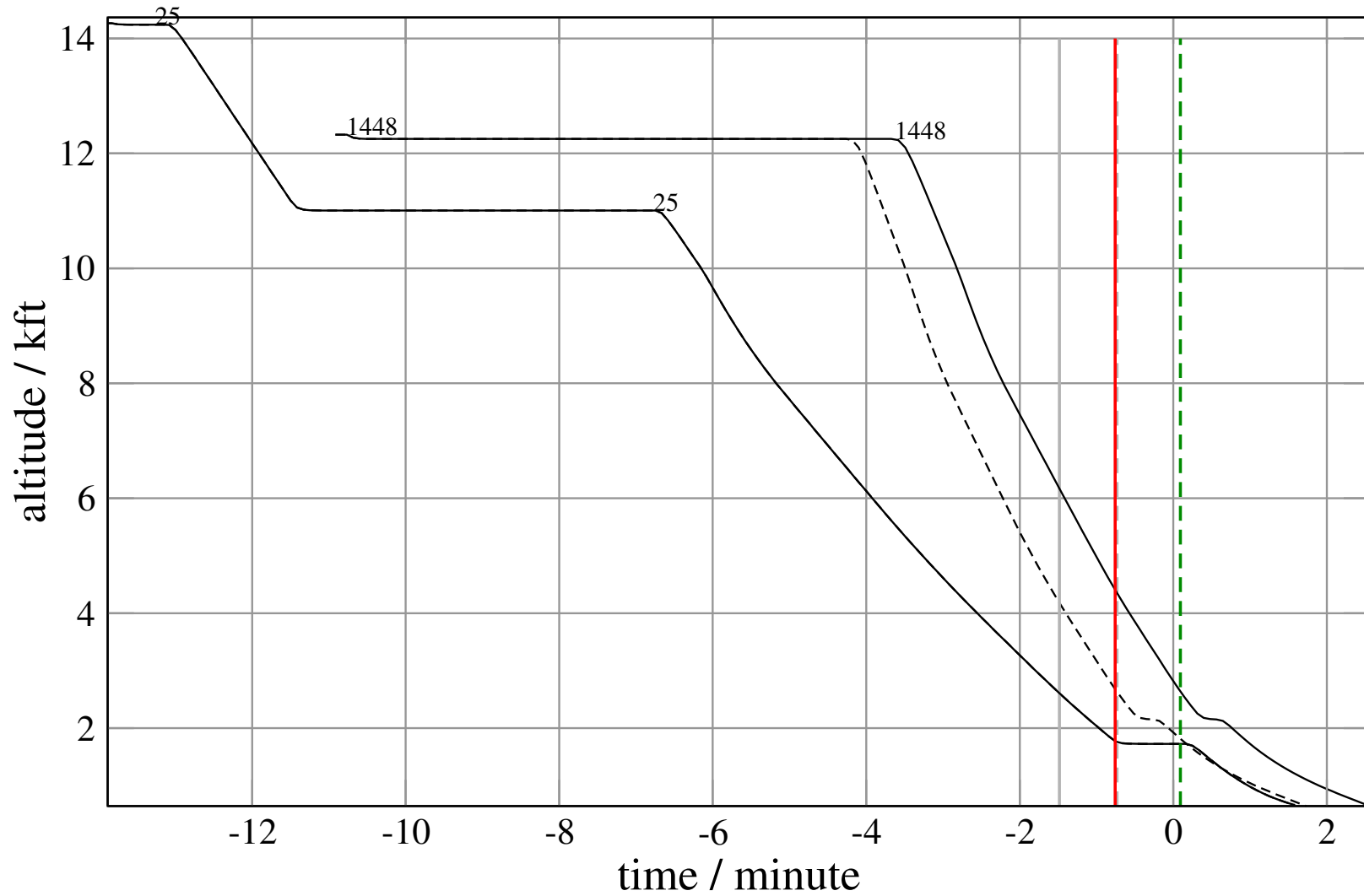
Maneuver Planview

+ A1448F-A25E 0.707V->1.263H: A1448F speed dec 25 kn (+50 s) 1448-25-26



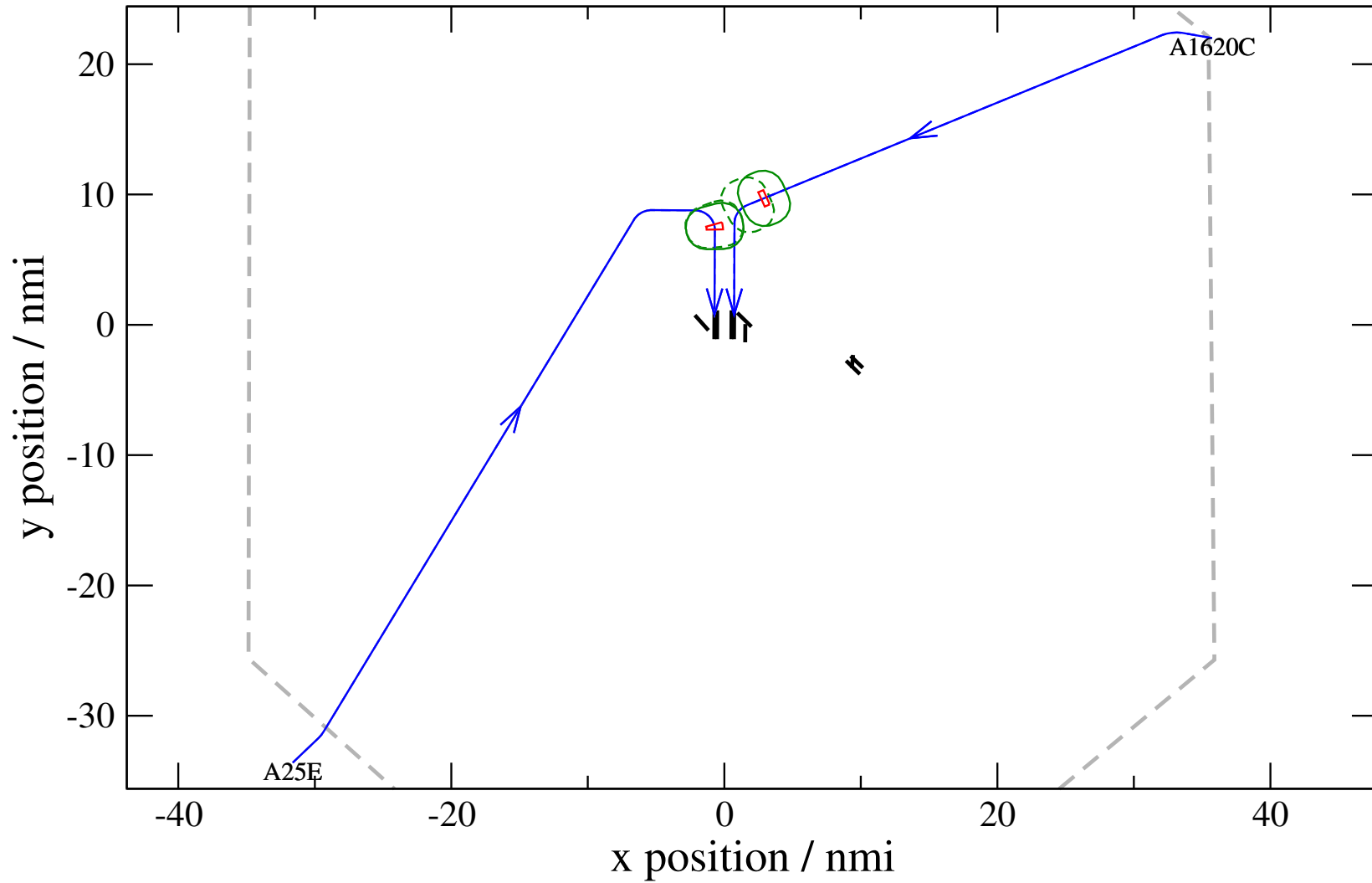
Maneuver Altitude Profiles

+ A1448F-A25E 0.707V->1.263H: A1448F speed dec 25 kn (+50 s) 1448-25-26



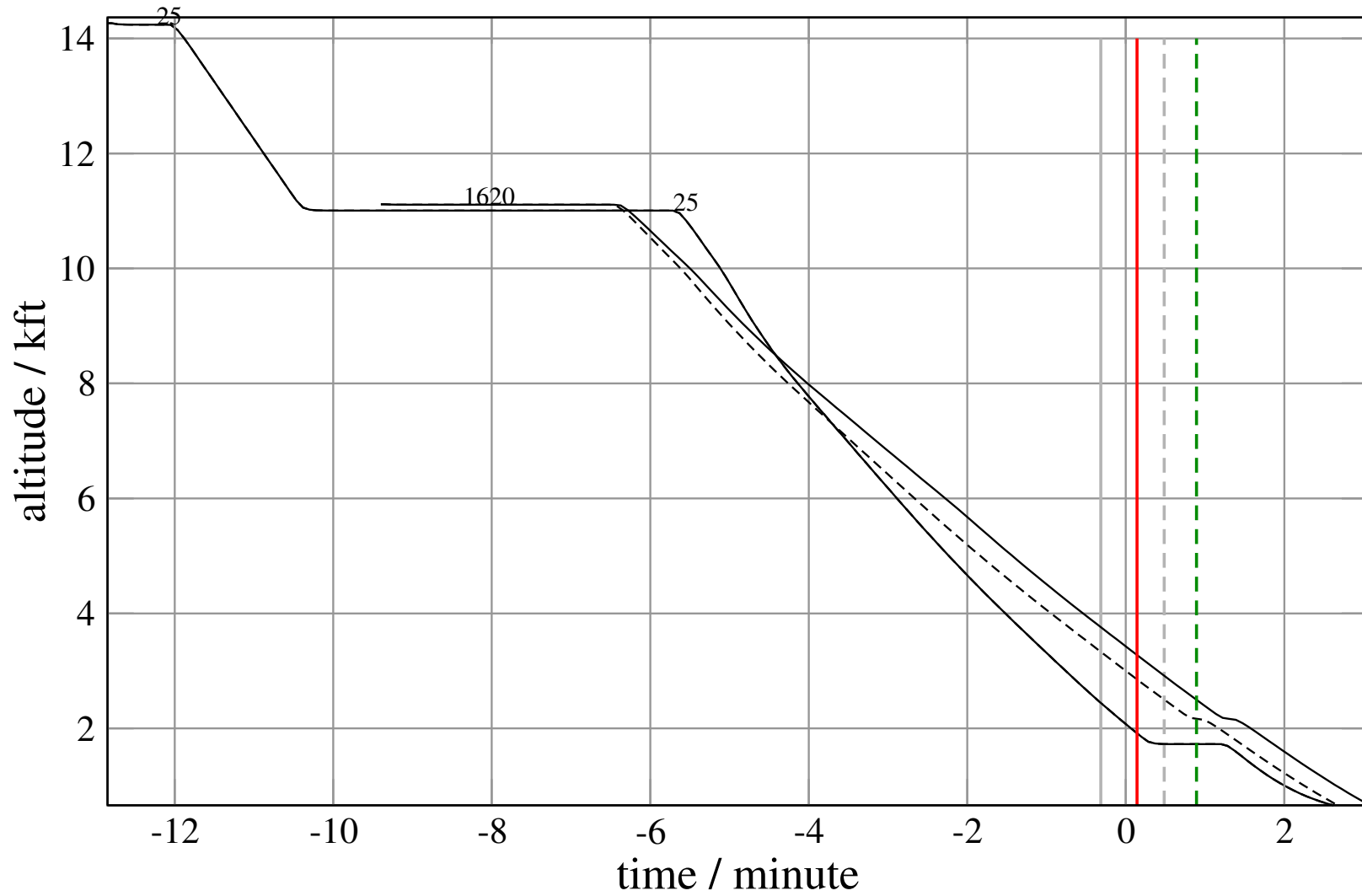
Maneuver Planview

+ A1620C-A25E 0.691H->1.127V: A1620C speed dec 21 kn (+24 s) 25-1620-32



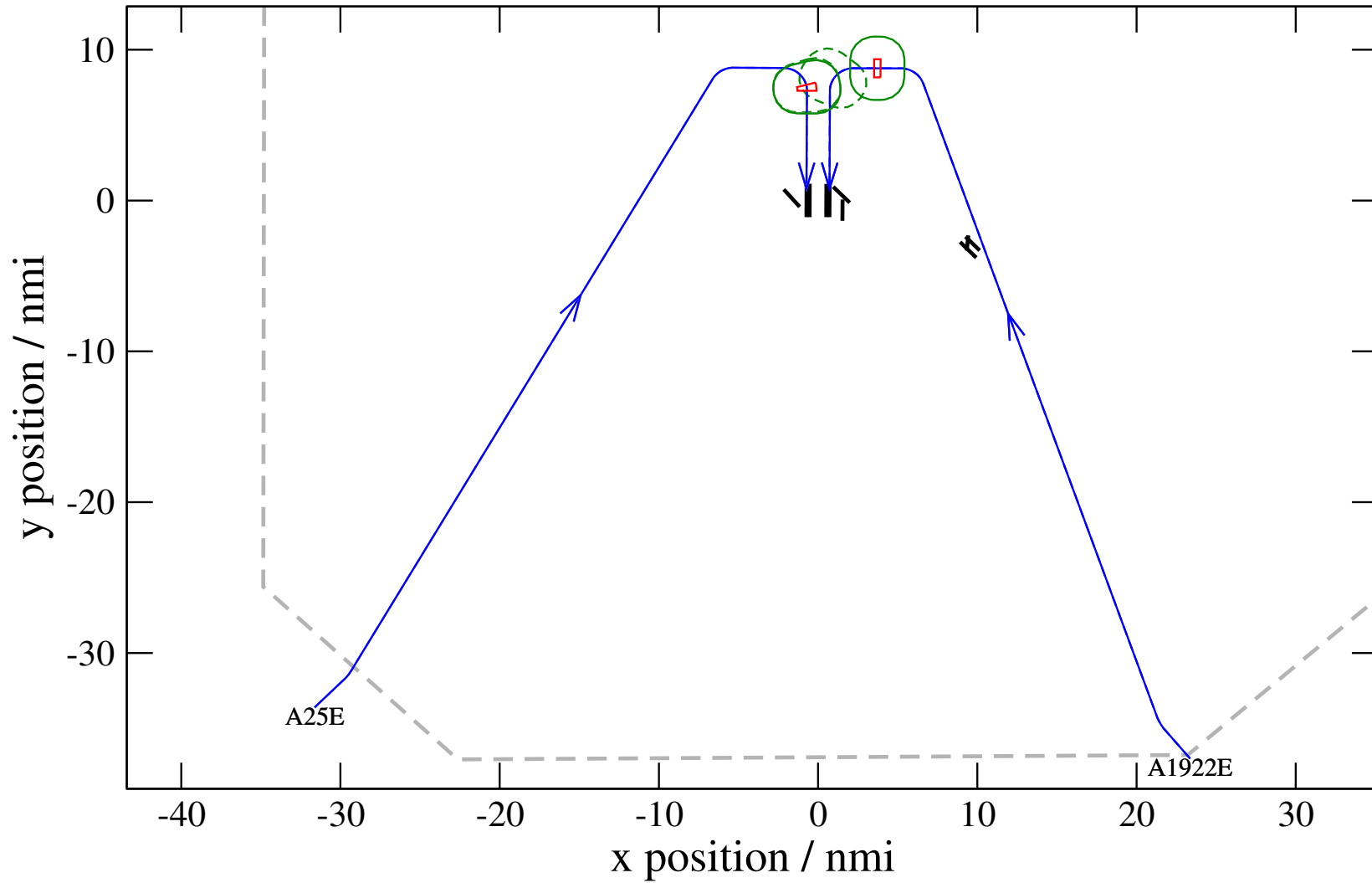
Maneuver Altitude Profiles

+ A1620C-A25E 0.691H->1.127V: A1620C speed dec 21 kn (+24 s) 25-1620-32



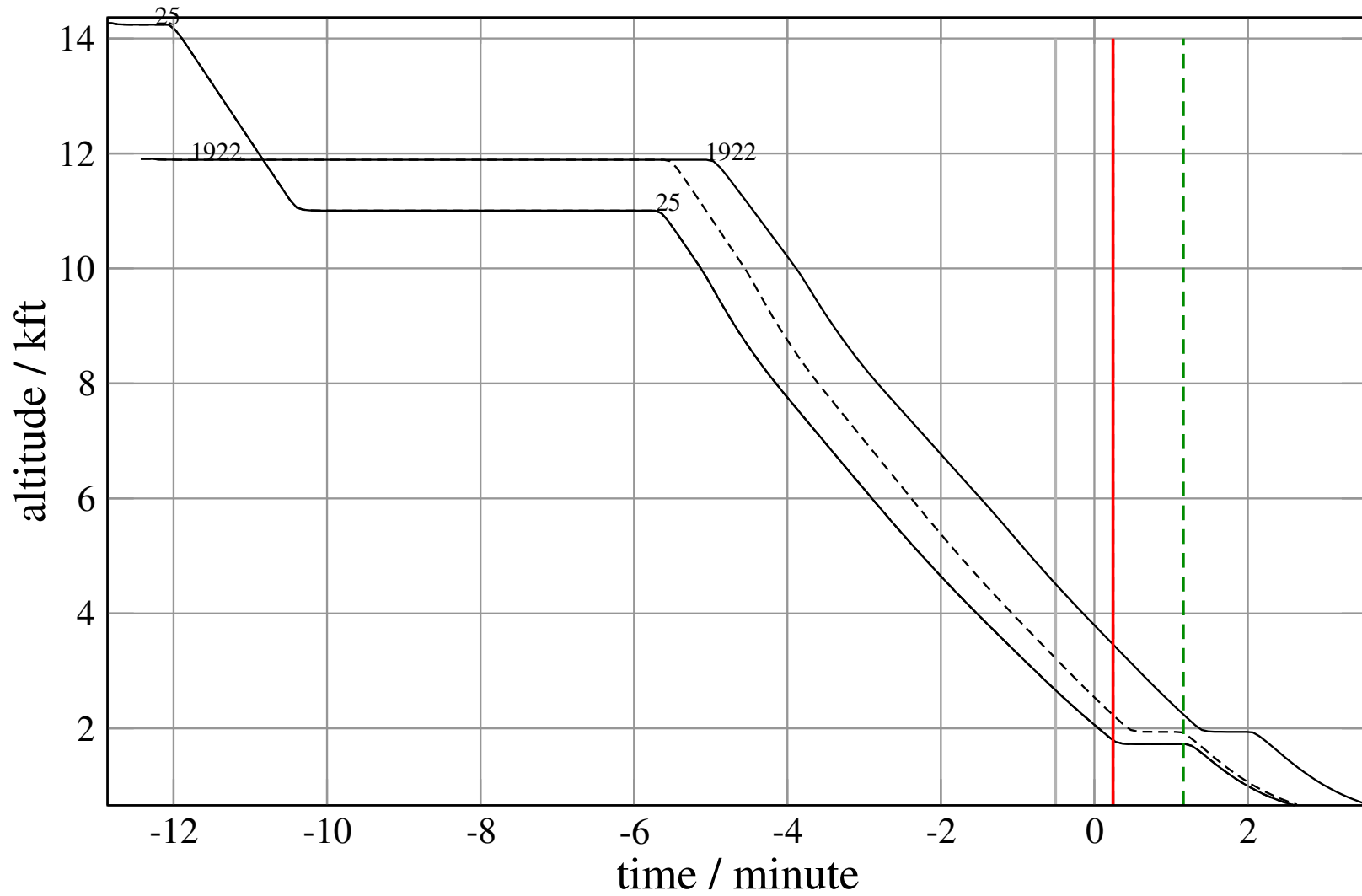
Maneuver Planview

+ A1922E-A25E 0.188V->1.316V: A1922E speed dec 25 kn (+56 s) 25-1922-32



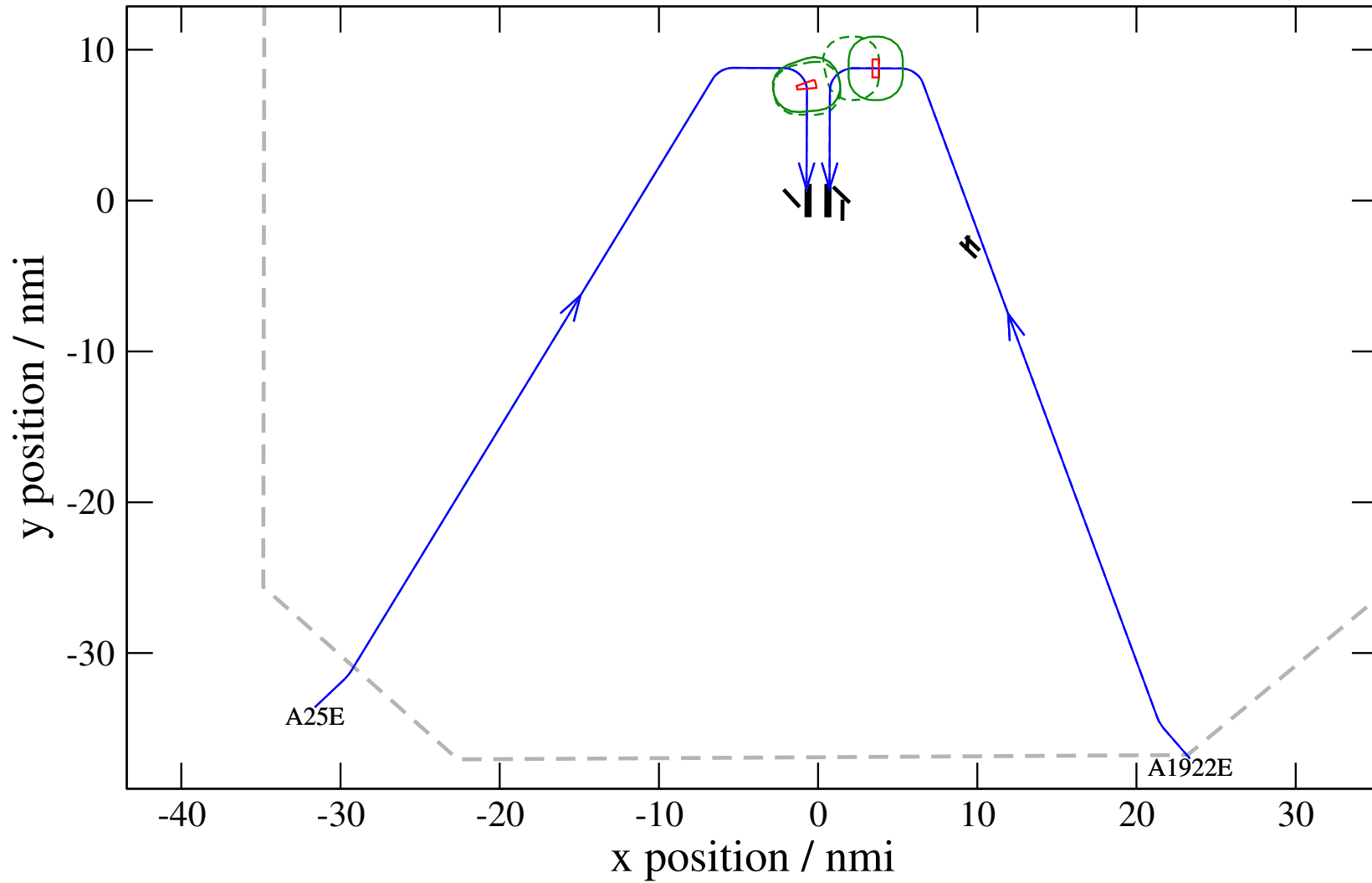
Maneuver Altitude Profiles

+ A1922E-A25E 0.188V->1.316V: A1922E speed dec 25 kn (+56 s) 25-1922-32



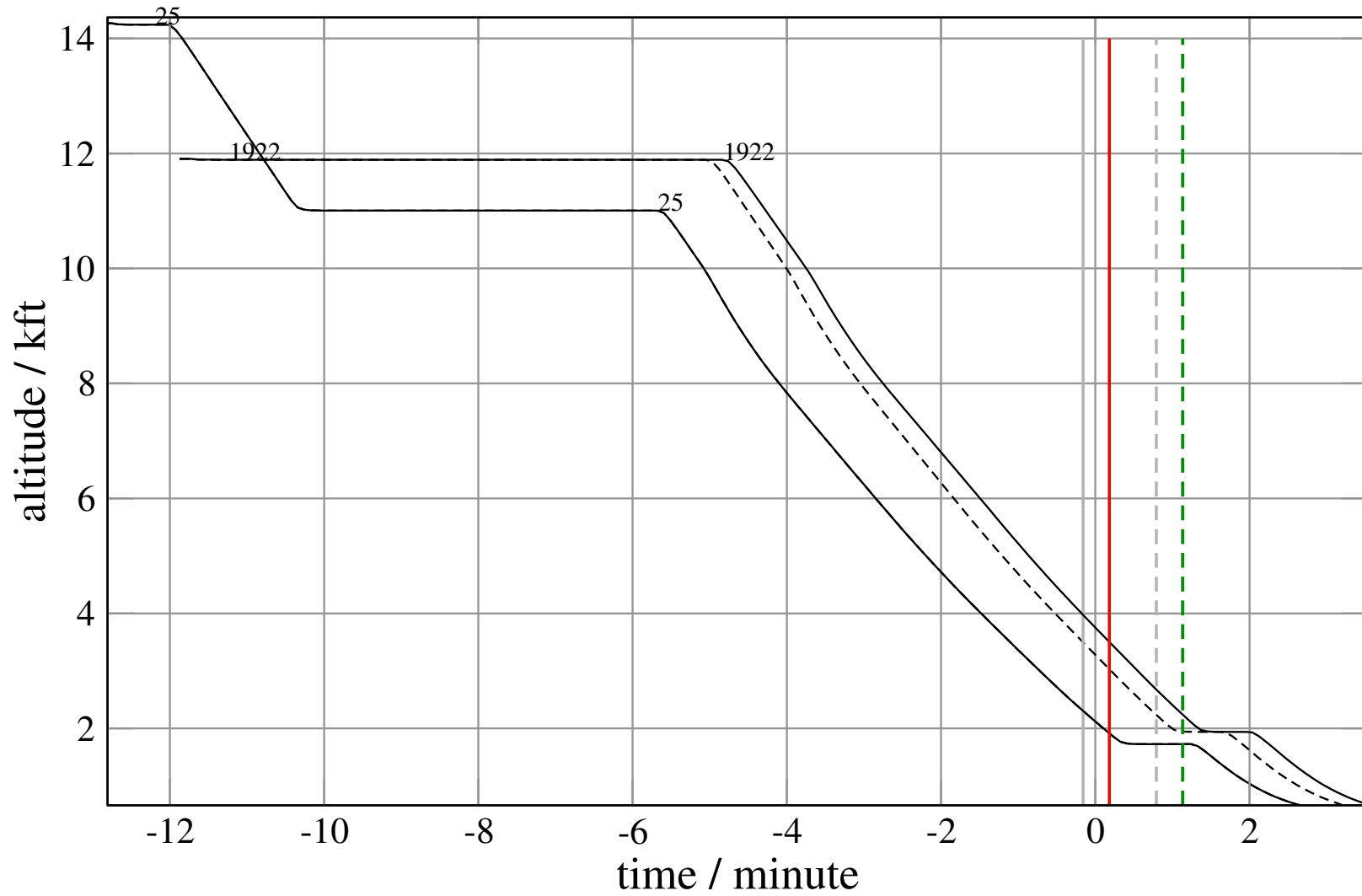
Maneuver Planview

+ A1922E-A25E 0.797V->1.216H: A1922E speed dec 10 kn (+21 s) 25-1922-33



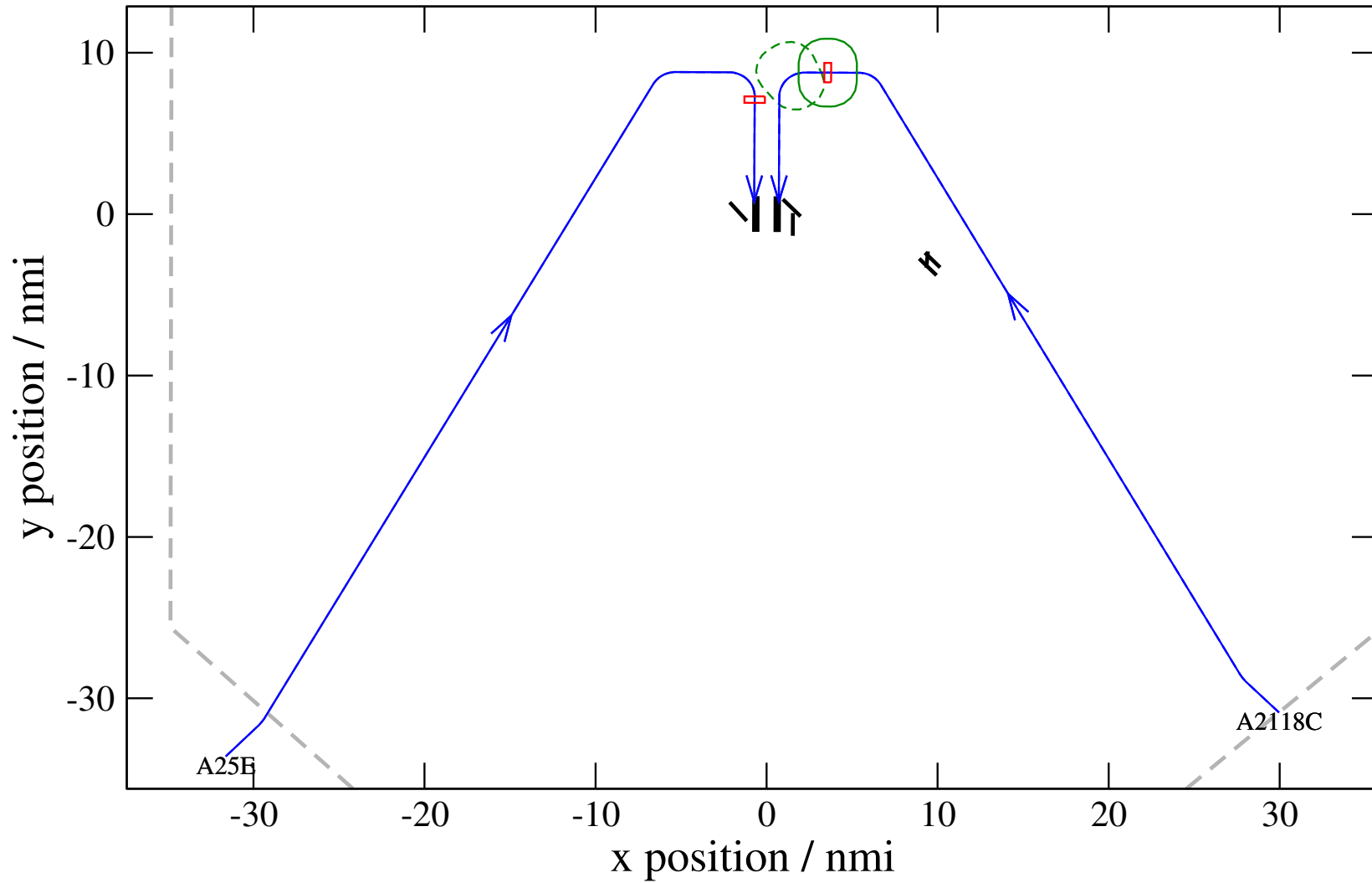
Maneuver Altitude Profiles

+ A1922E-A25E 0.797V->1.216H: A1922E speed dec 10 kn (+21 s) 25-1922-33



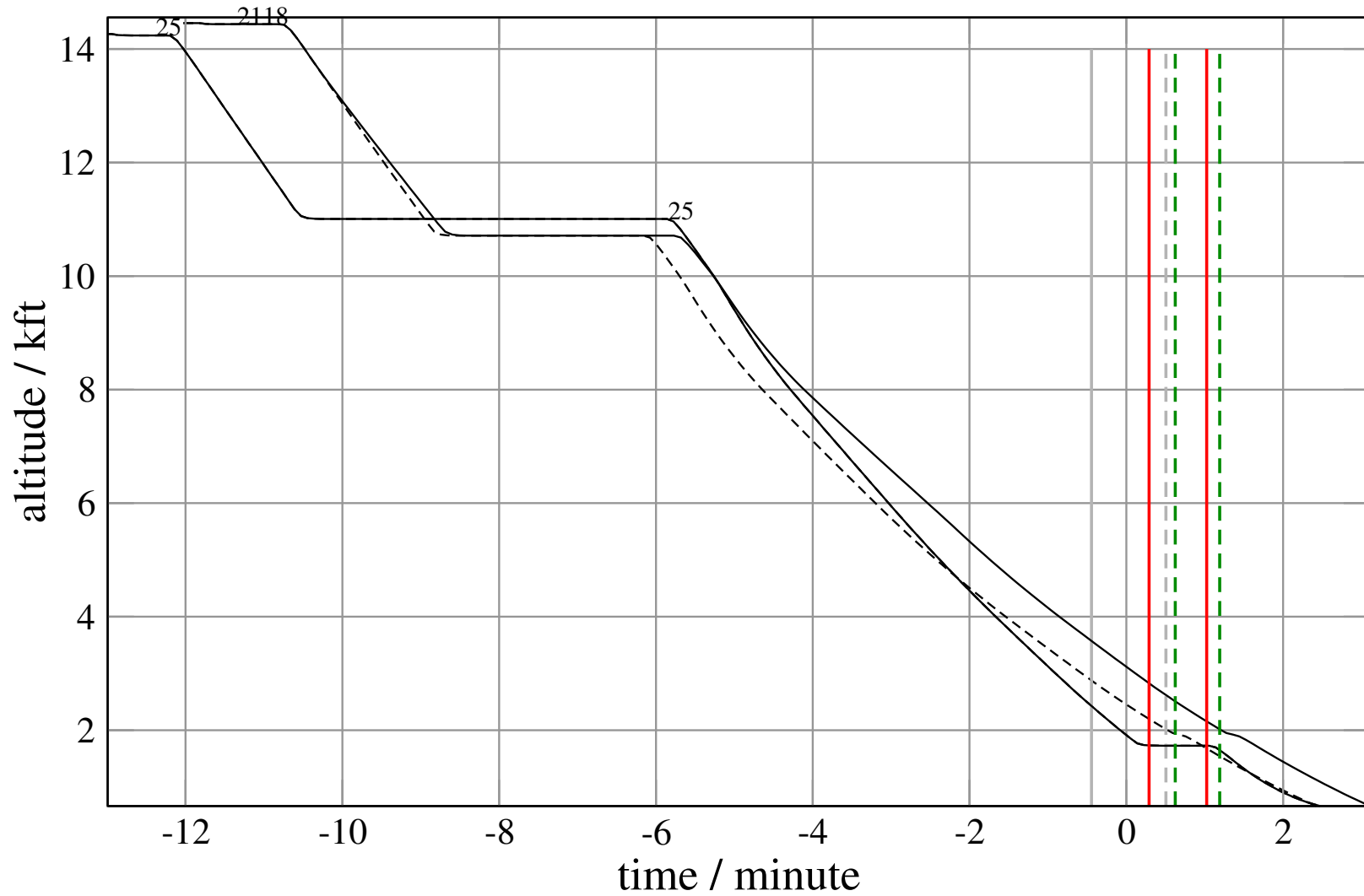
Maneuver Planview

+ A2118C-A25E 0.591H->1.192H: A2118C speed dec 22 kn (+41 s) 2118-25-30



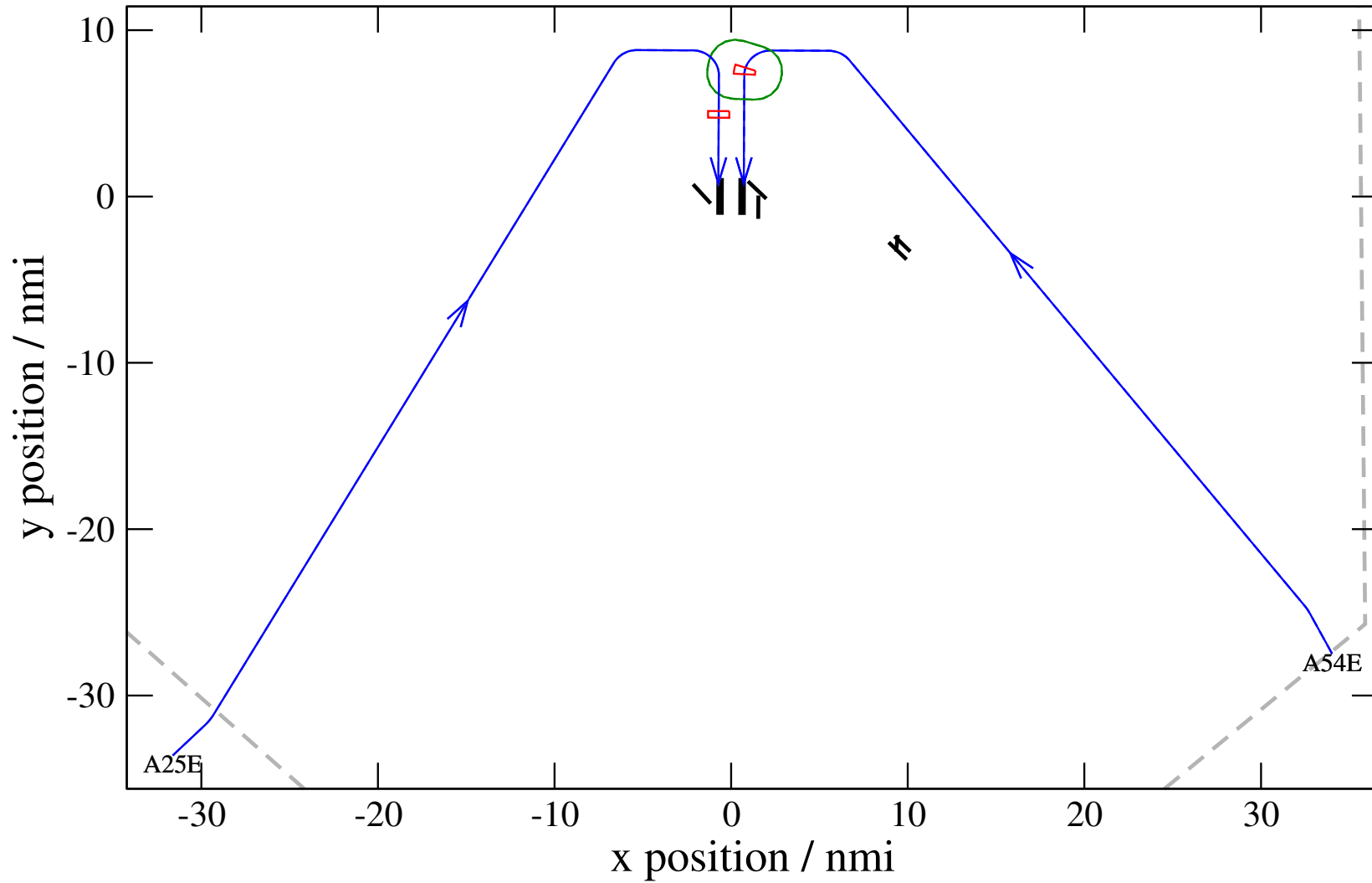
Maneuver Altitude Profiles

+ A2118C-A25E 0.591H->1.192H: A2118C speed dec 22 kn (+41 s) 2118-25-30



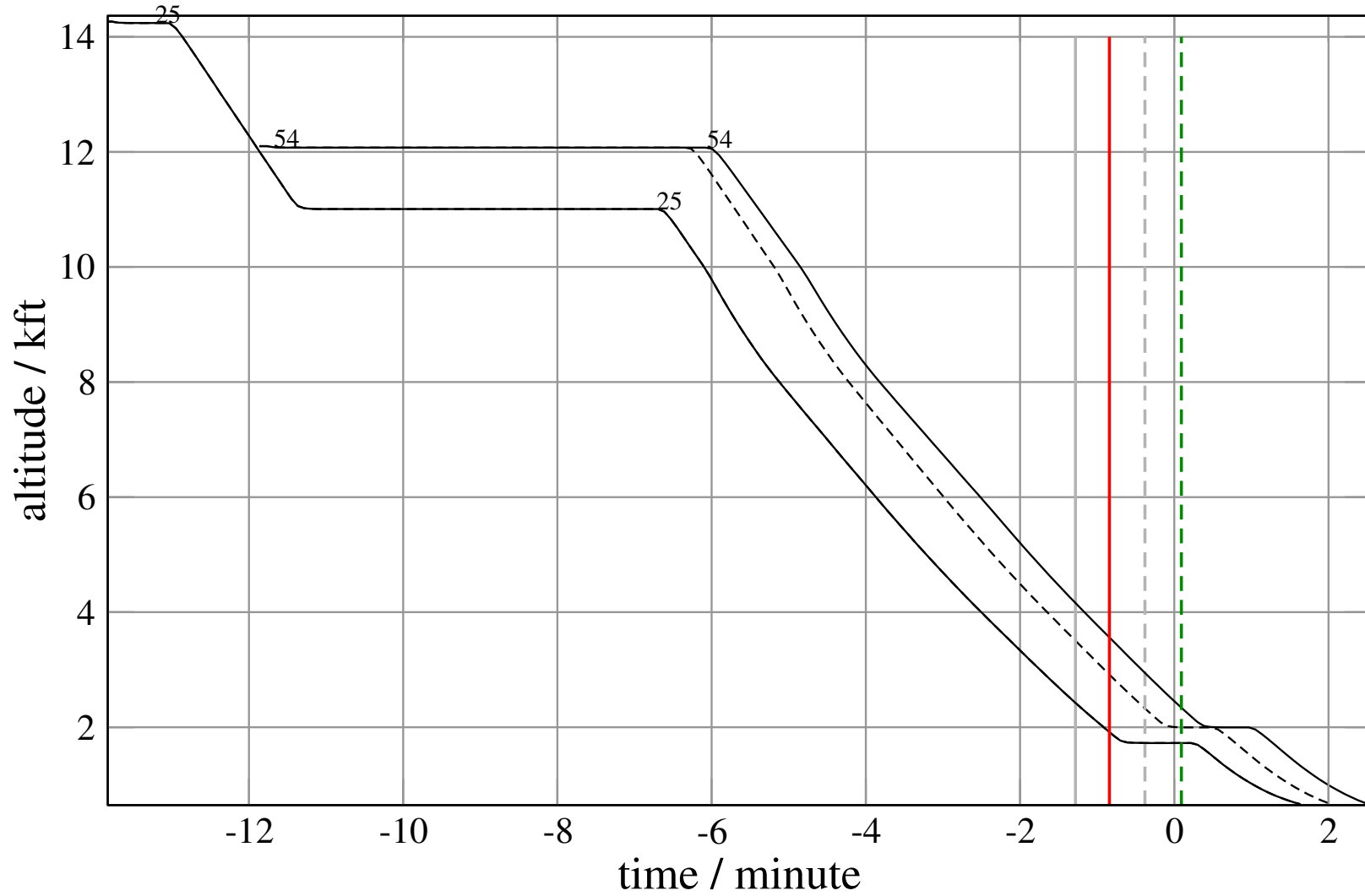
Maneuver Planview

+ A54E-A25E 0.672H->1.199H: A54E speed dec 15 kn (+29 s) 54-25-28



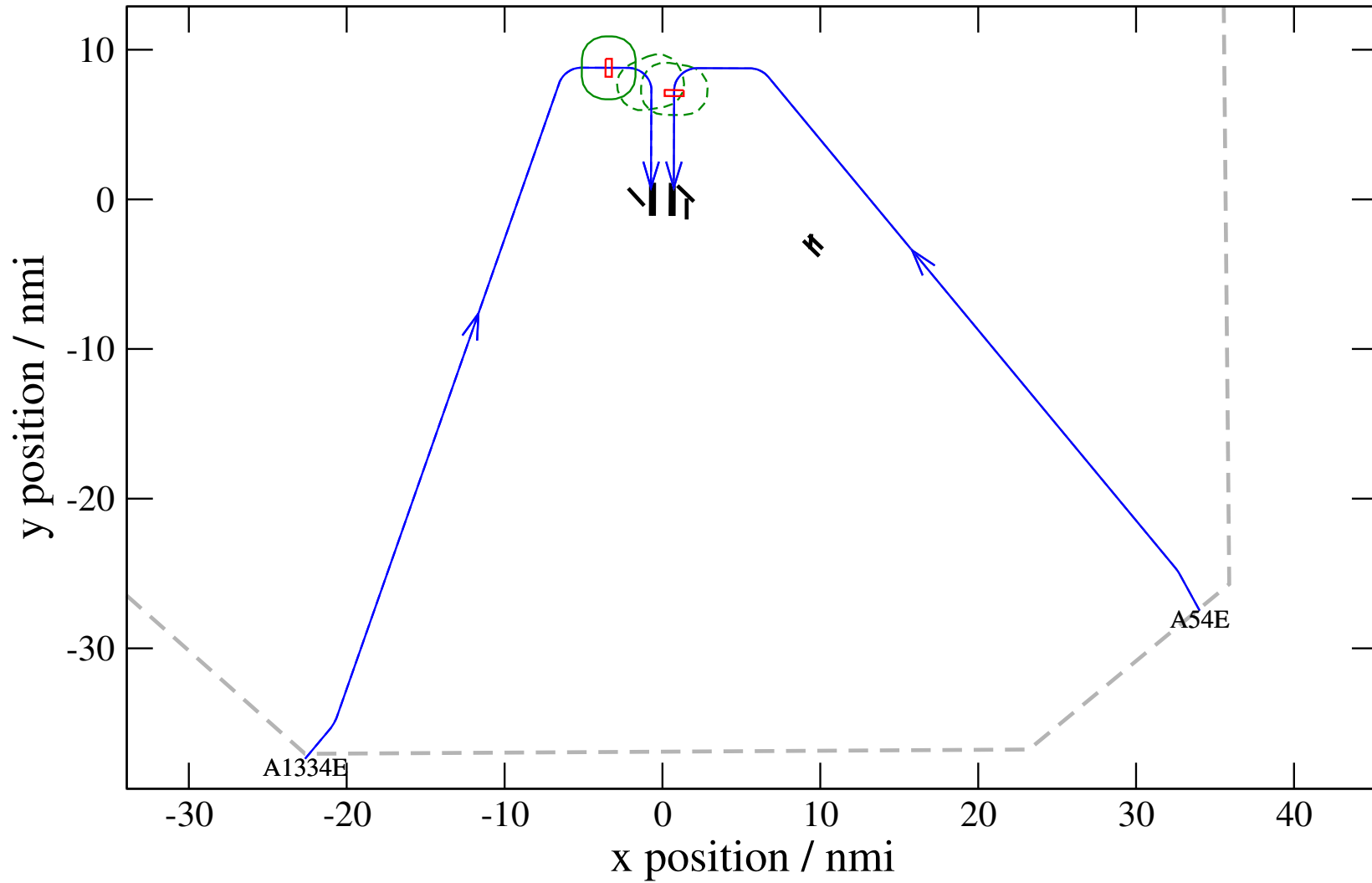
Maneuver Altitude Profiles

+ A54E-A25E 0.672H->1.199H: A54E speed dec 15 kn (+29 s) 54-25-28



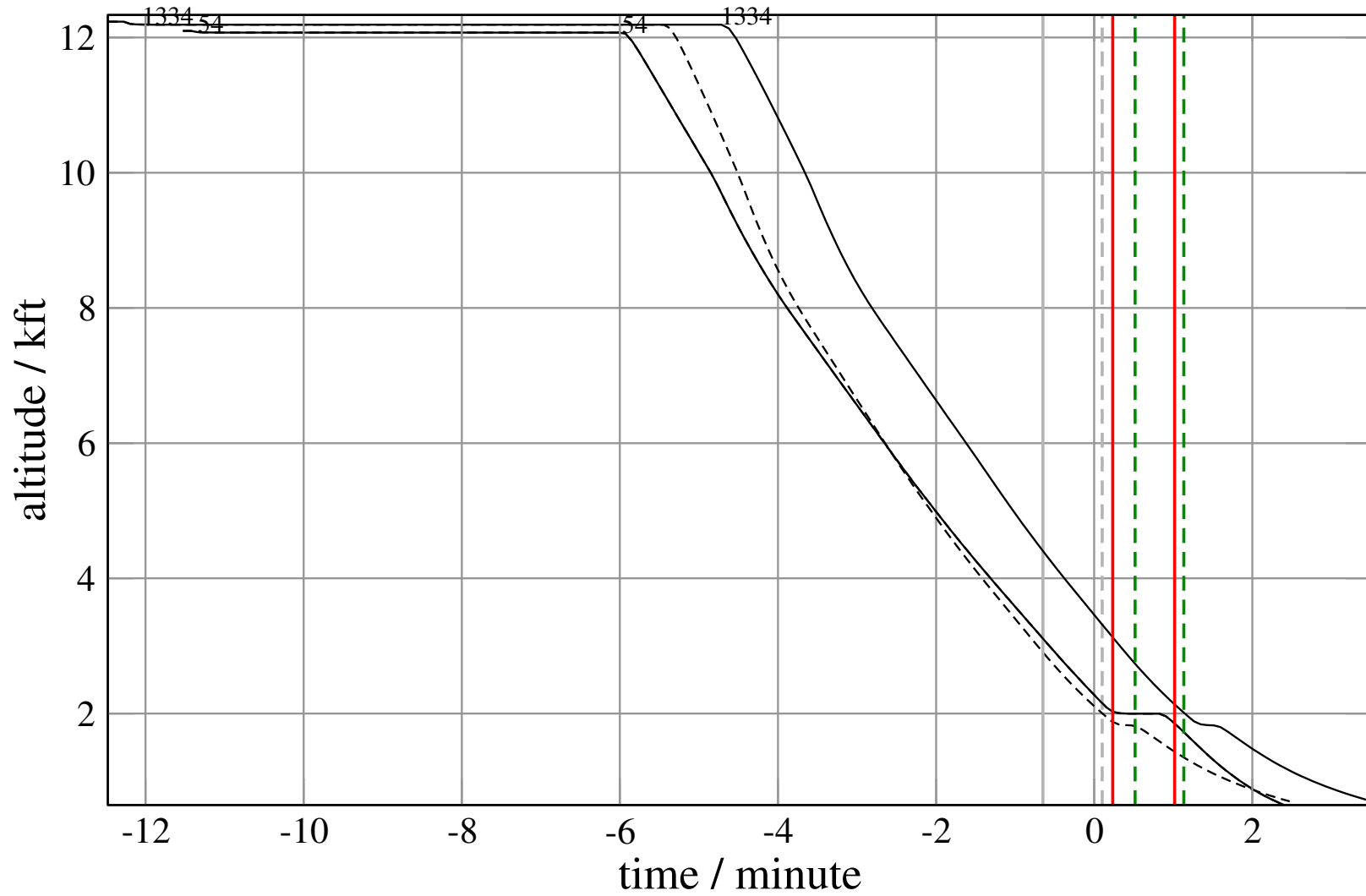
Maneuver Planview

+ A1334E-A54E 0.152H->1.154H: A1334E speed dec 30 kn (+62 s) 54-1334-29



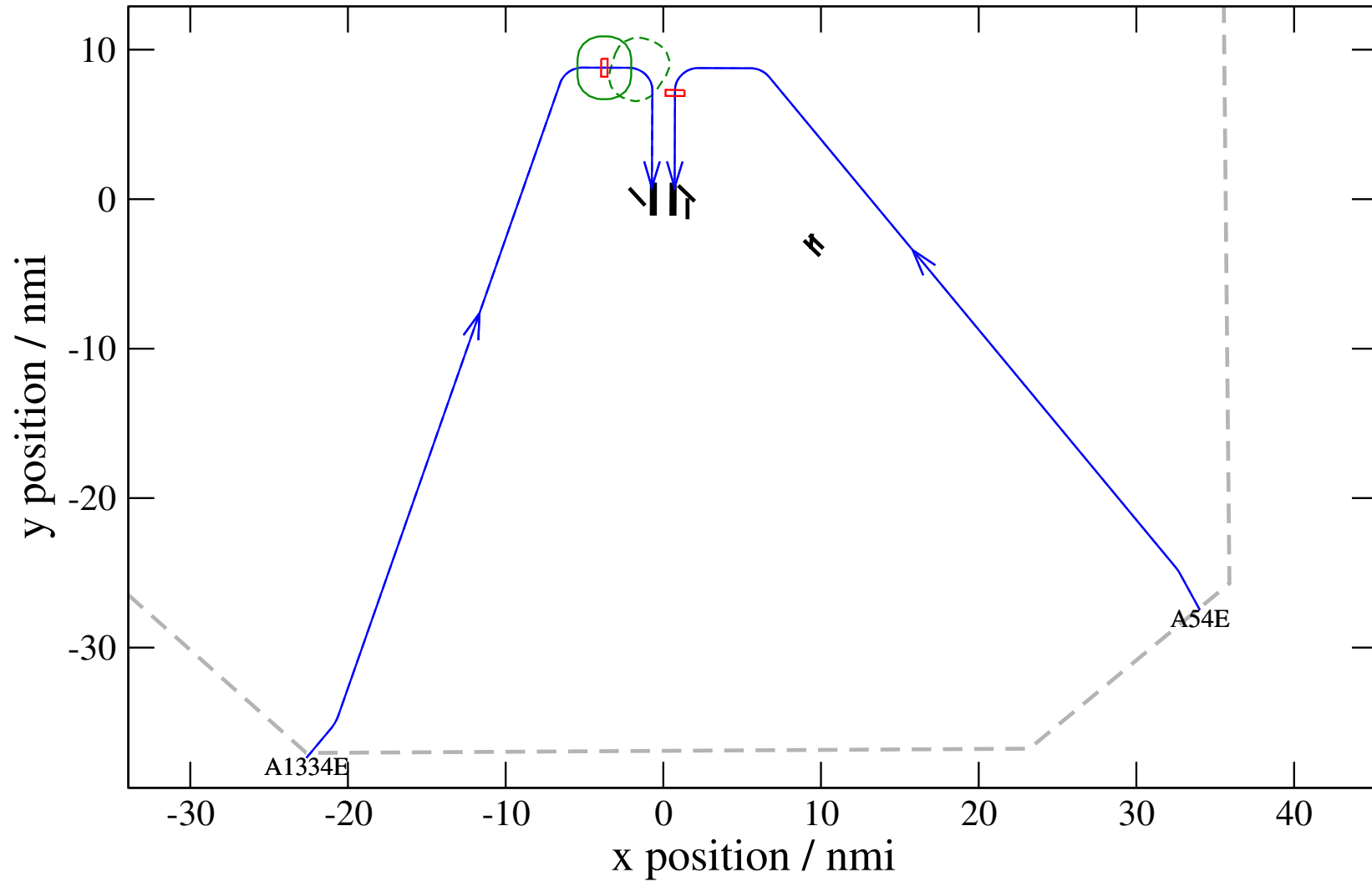
Maneuver Altitude Profiles

+ A1334E-A54E 0.152H->1.154H: A1334E speed dec 30 kn (+62 s) 54-1334-29



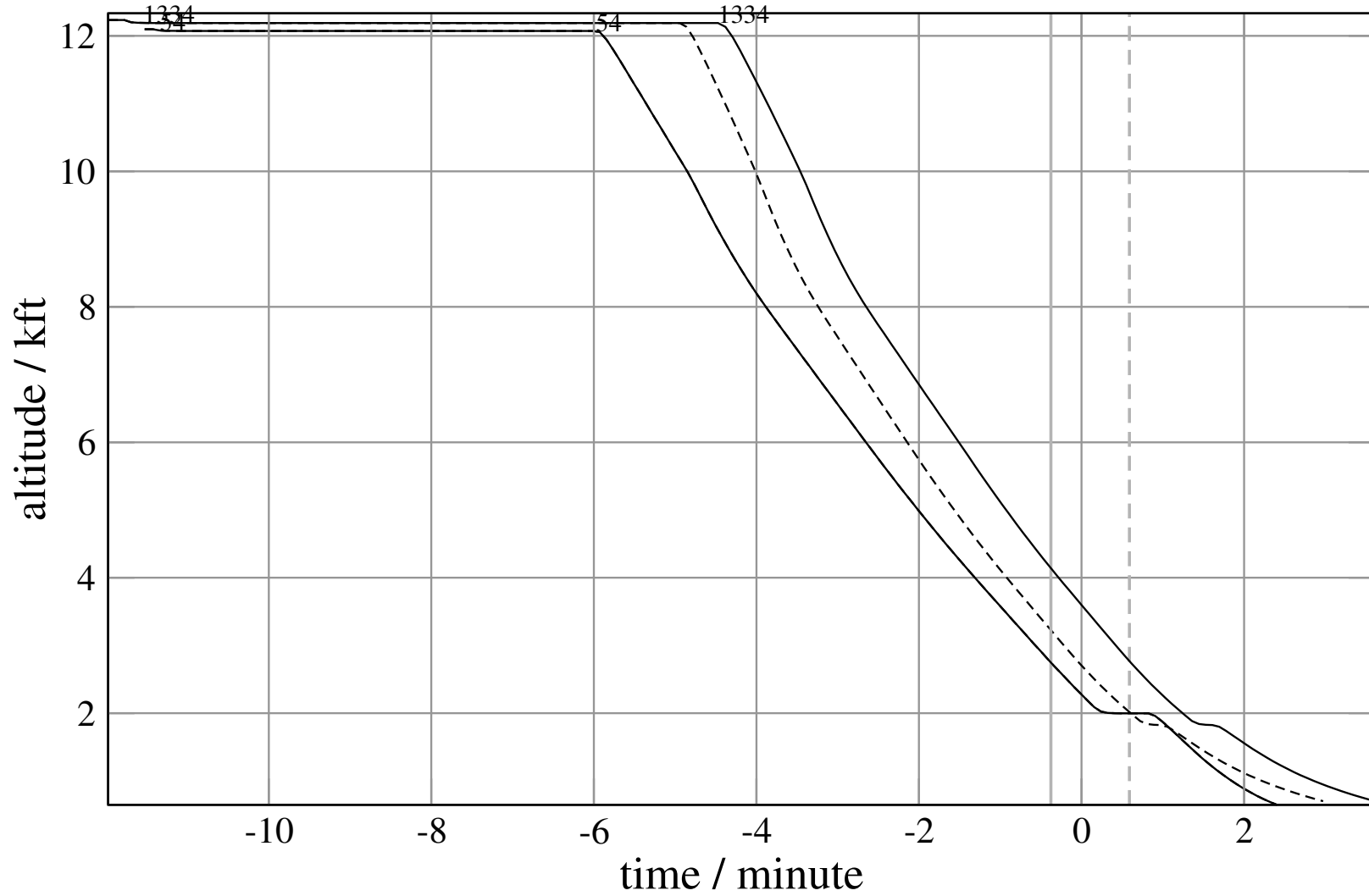
Maneuver Planview

+ A1334E-A54E 0.662H->1.262H: A1334E speed dec 20 kn (+38 s) 54-1334-30



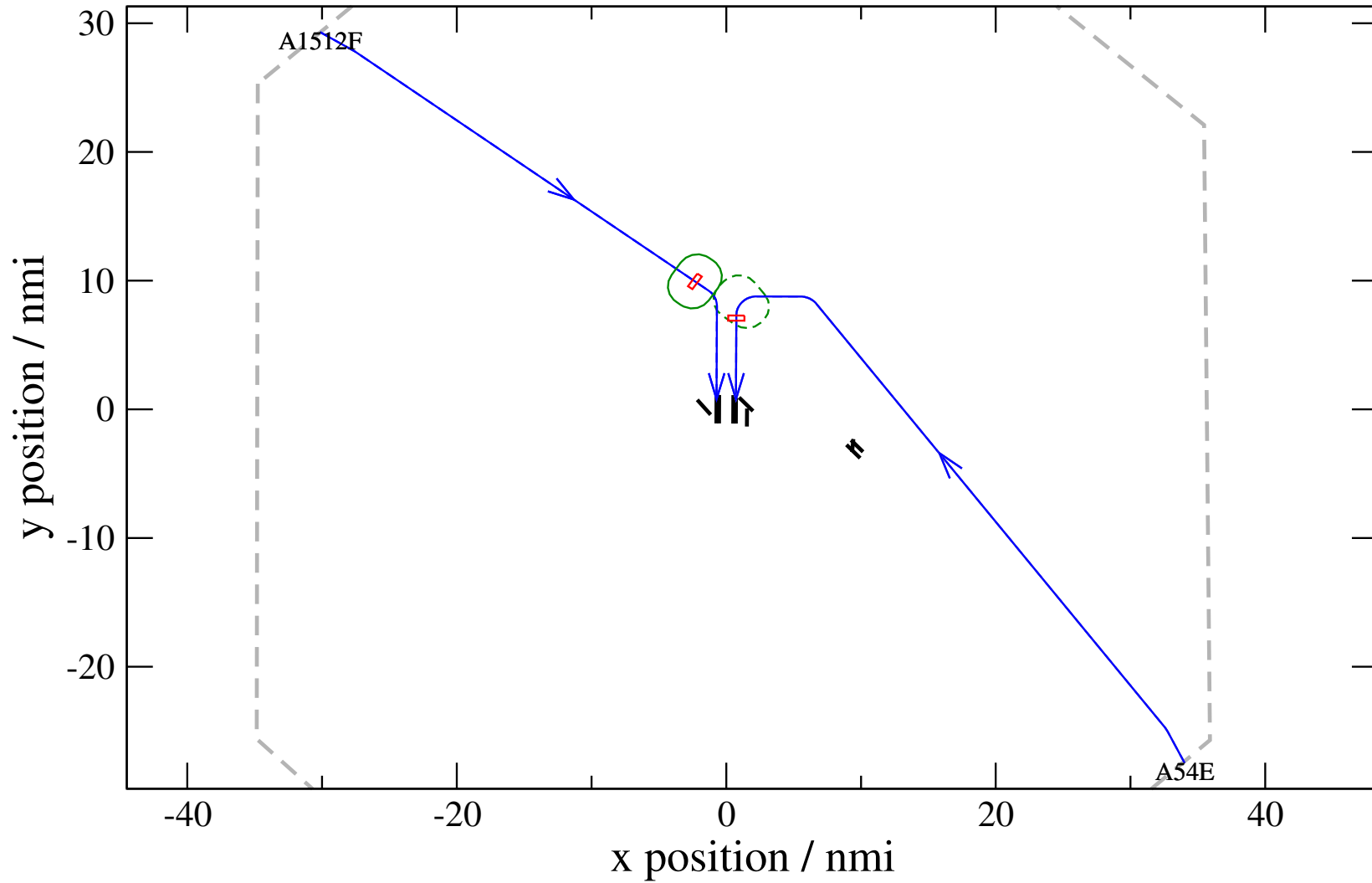
Maneuver Altitude Profiles

+ A1334E-A54E 0.662H->1.262H: A1334E speed dec 20 kn (+38 s) 54-1334-30



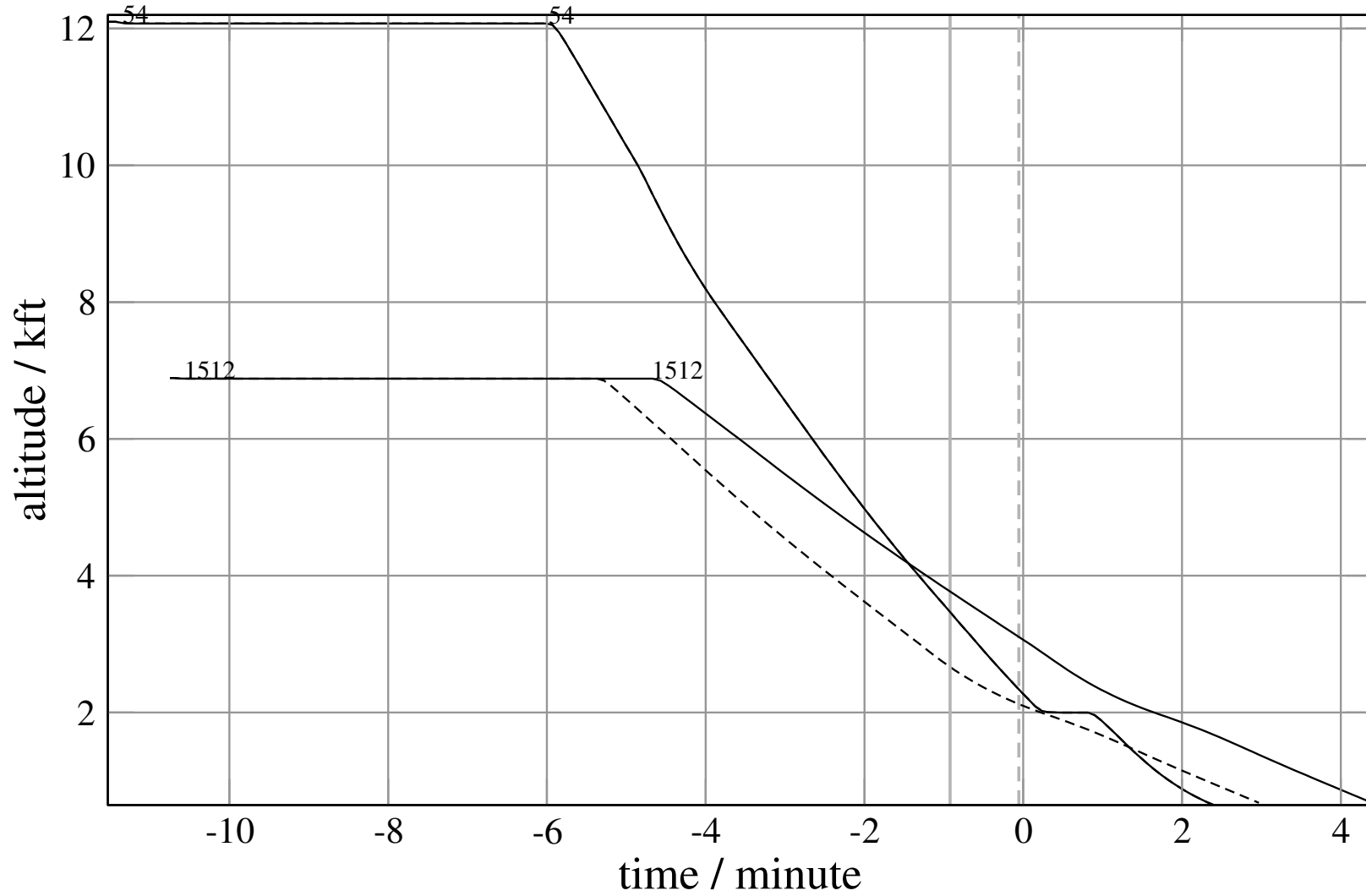
Maneuver Planview

+ A1512F-A54E 0.274H->1.117H: A1512F speed dec 30 kn (+86 s) 54-1512-30



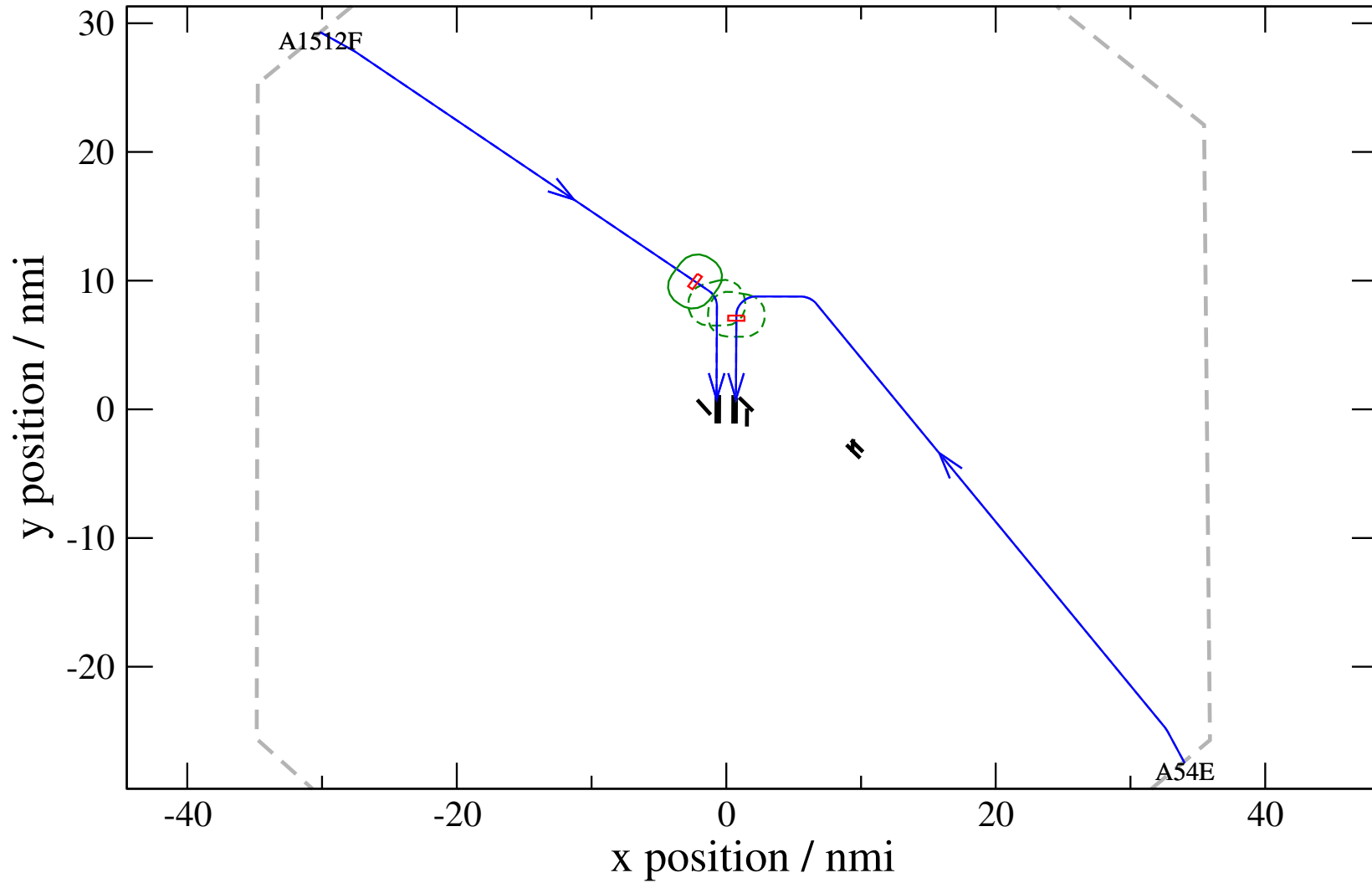
Maneuver Altitude Profiles

+ A1512F-A54E 0.274H->1.117H: A1512F speed dec 30 kn (+86 s) 54-1512-30



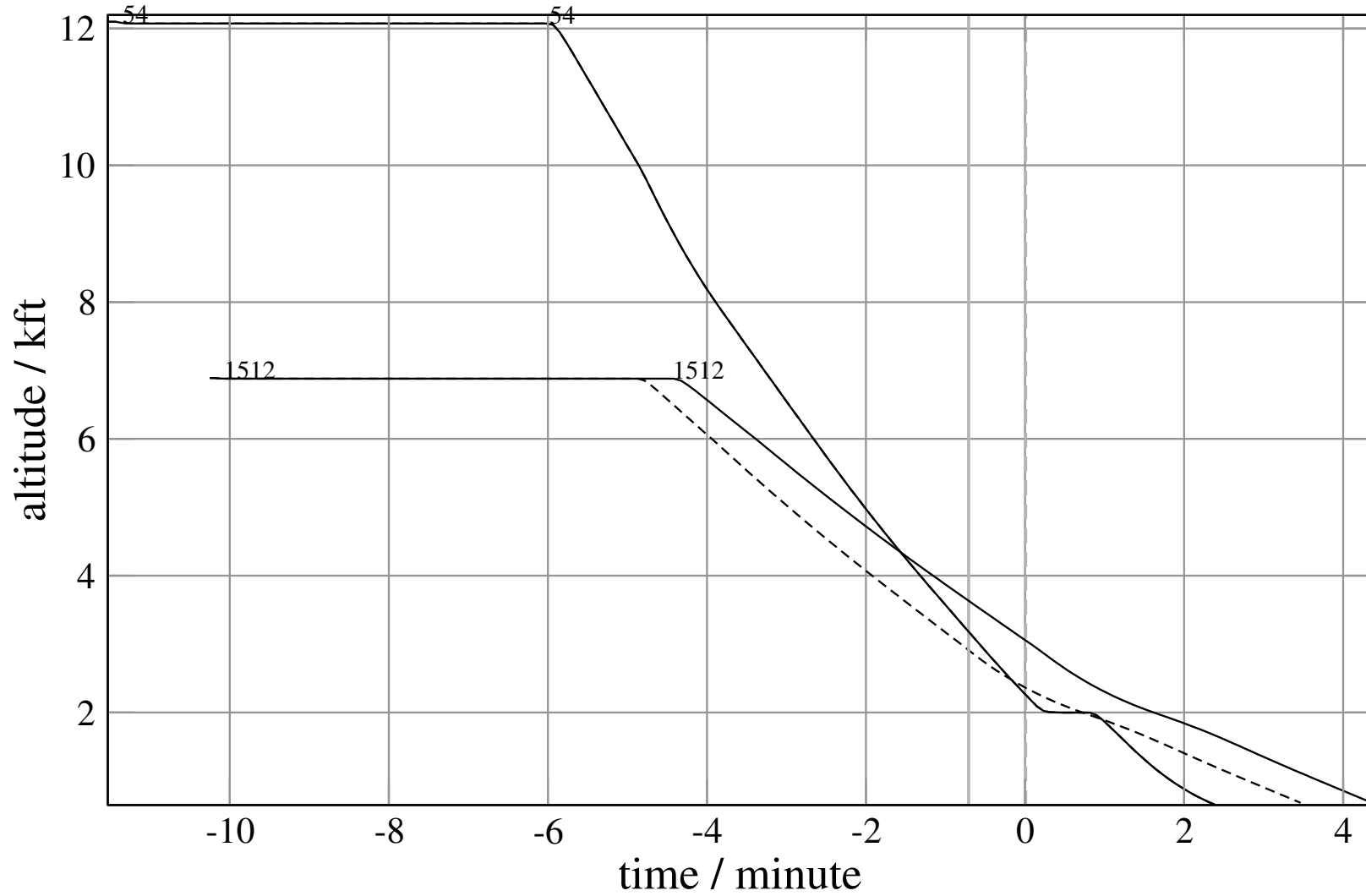
Maneuver Planview

+ A1512F-A54E 0.151H->1.114H: A1512F speed dec 20 kn (+54 s) 54-1512-31



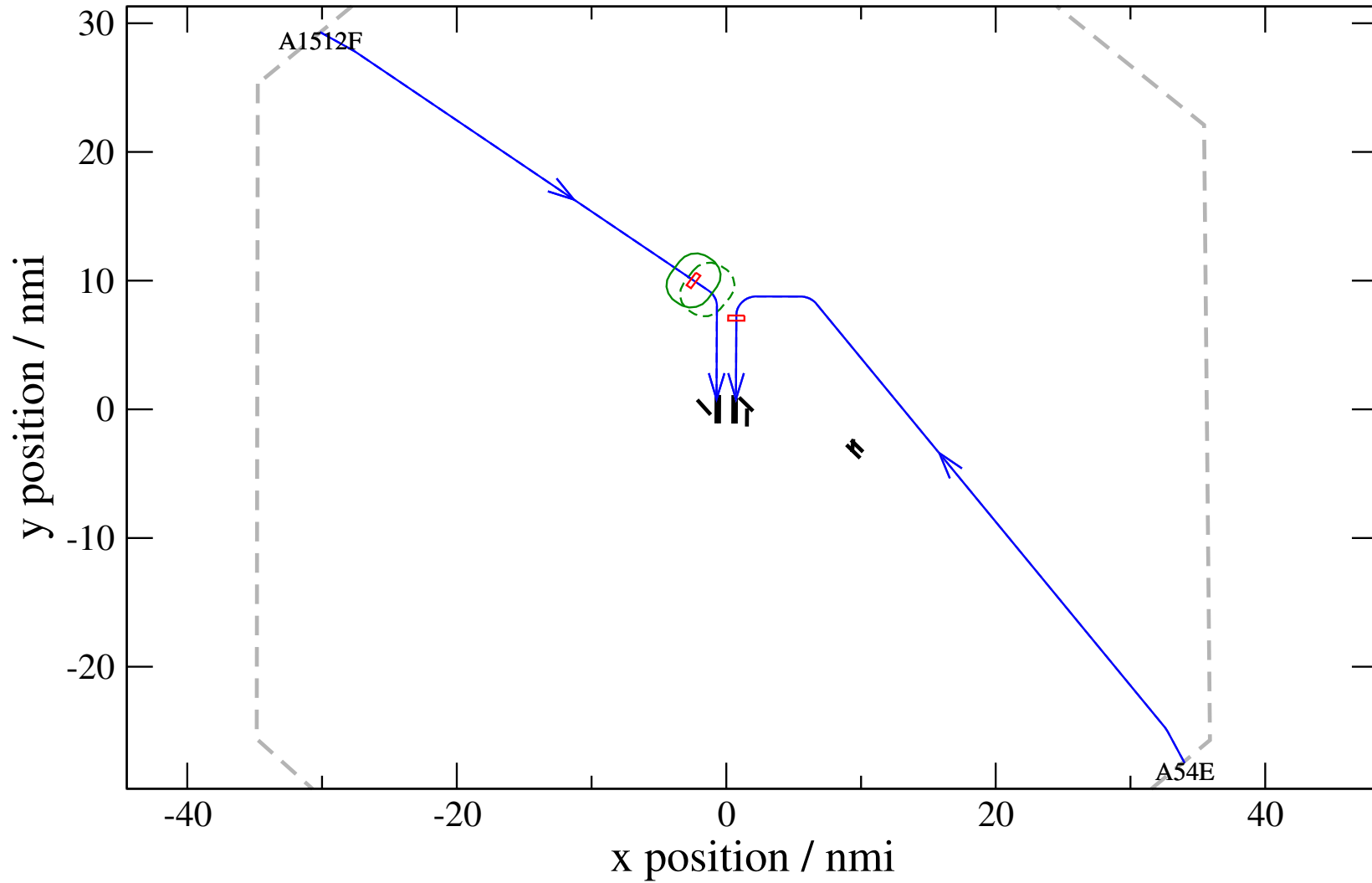
Maneuver Altitude Profiles

+ A1512F-A54E 0.151H->1.114H: A1512F speed dec 20 kn (+54 s) 54-1512-31



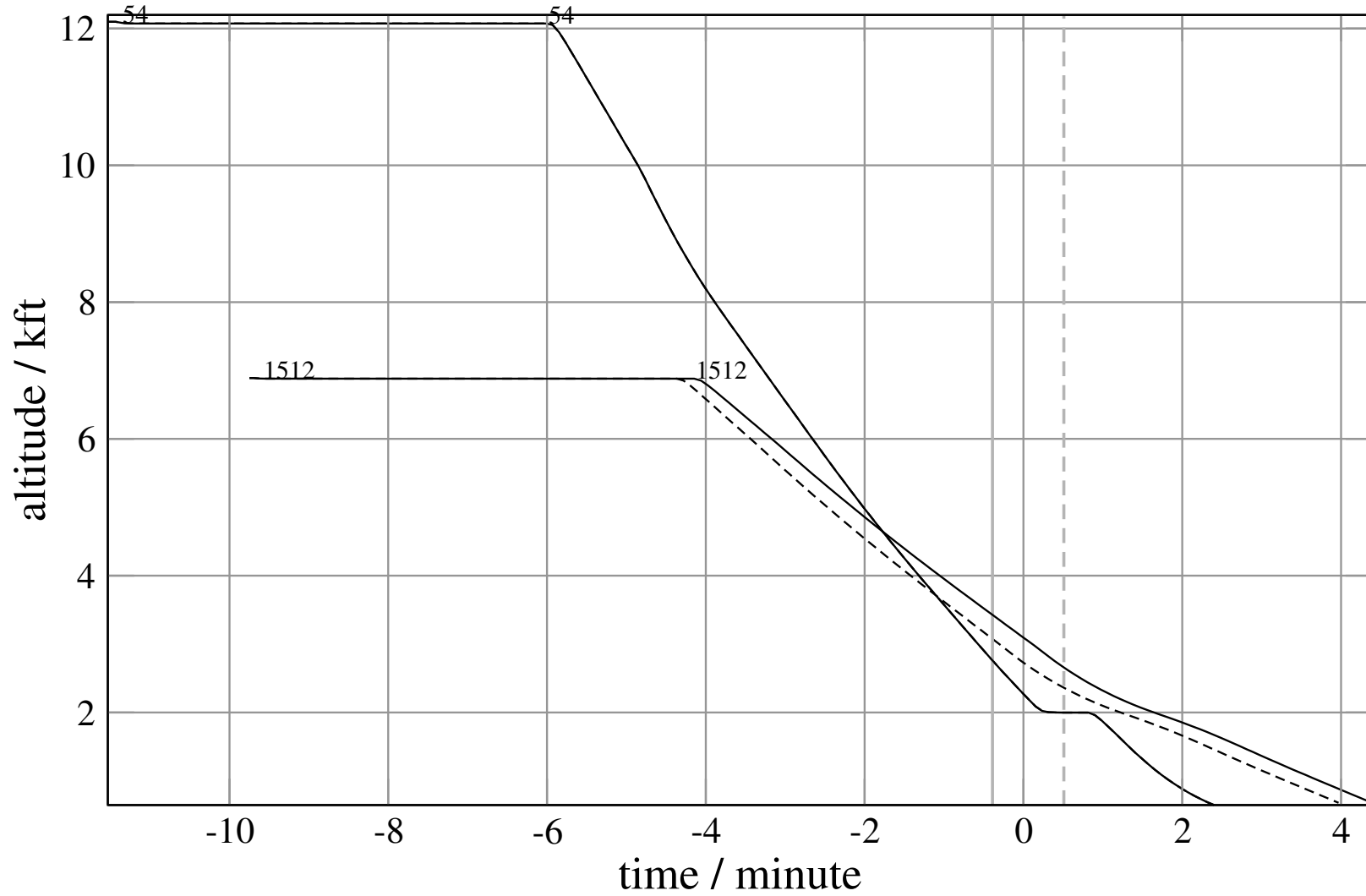
Maneuver Planview

+ A1512F-A54E 0.717H->1.159H: A1512F speed dec 10 kn (+25 s) 54-1512-32



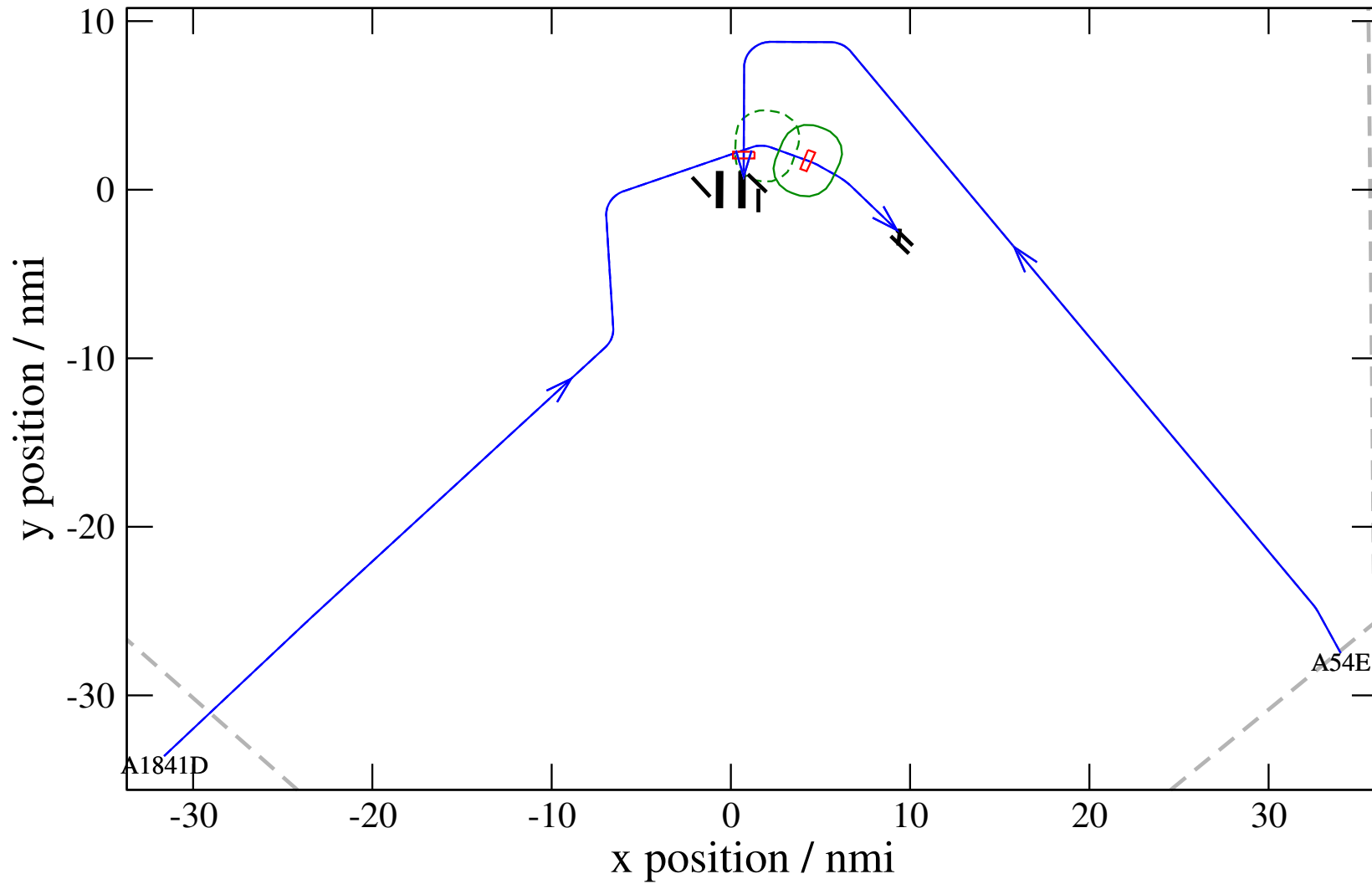
Maneuver Altitude Profiles

+ A1512F-A54E 0.717H->1.159H: A1512F speed dec 10 kn (+25 s) 54-1512-32



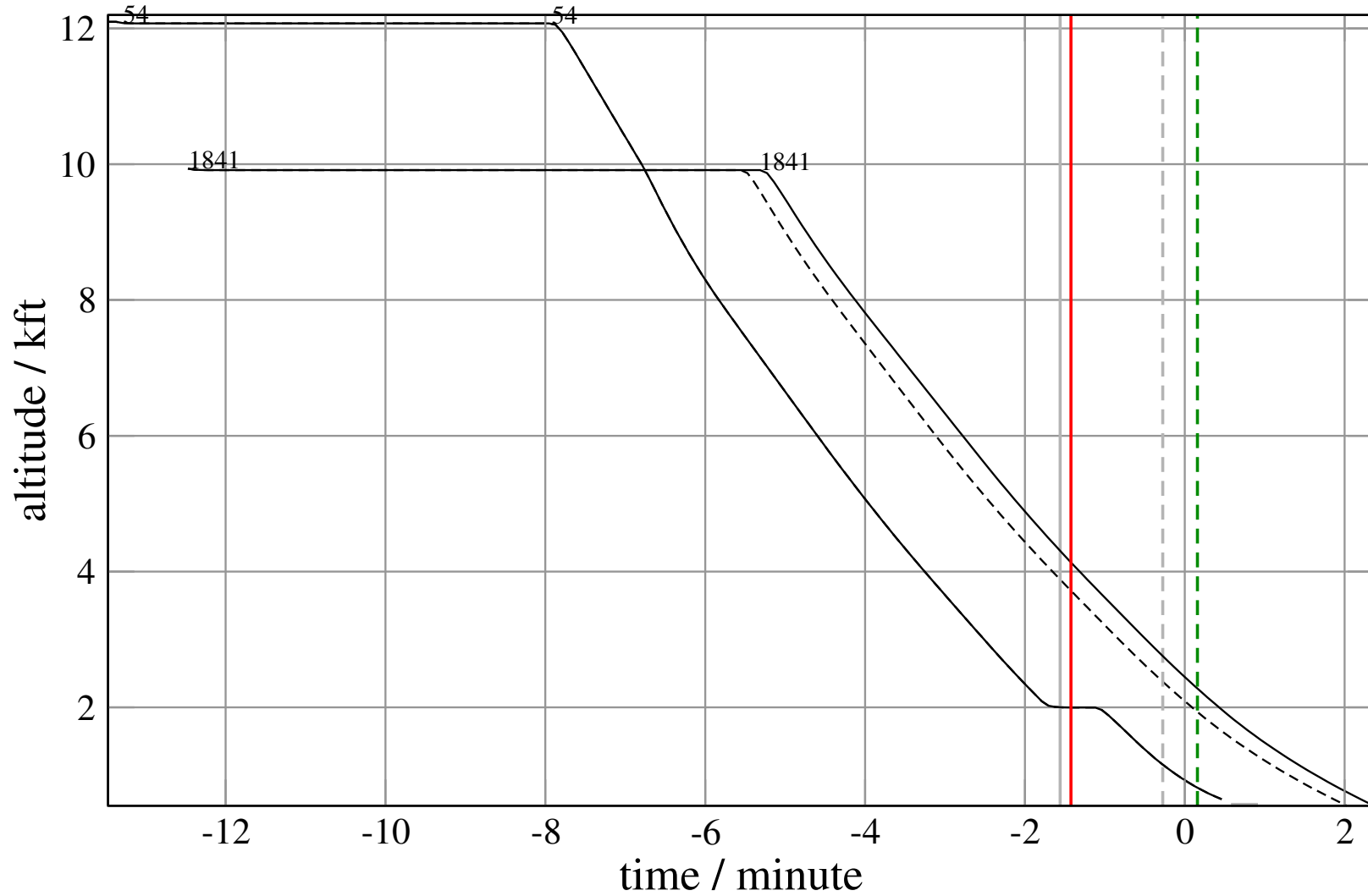
Maneuver Planview

+ A1841D-A54E 0.961V->1.234V: A1841D speed dec 10 kn (+20 s) 54-1841-32



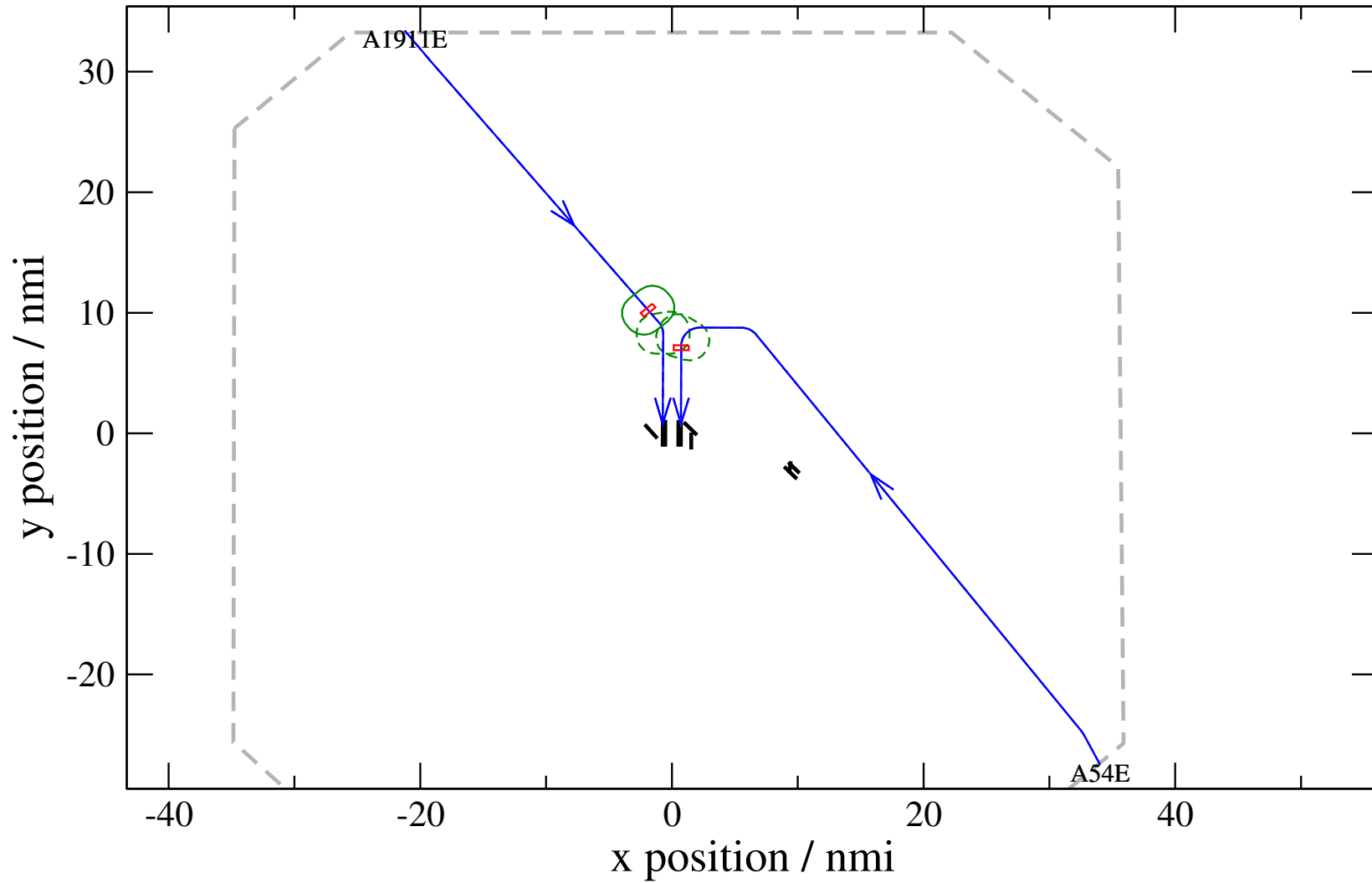
Maneuver Altitude Profiles

+ A1841D-A54E 0.961V->1.234V: A1841D speed dec 10 kn (+20 s) 54-1841-32



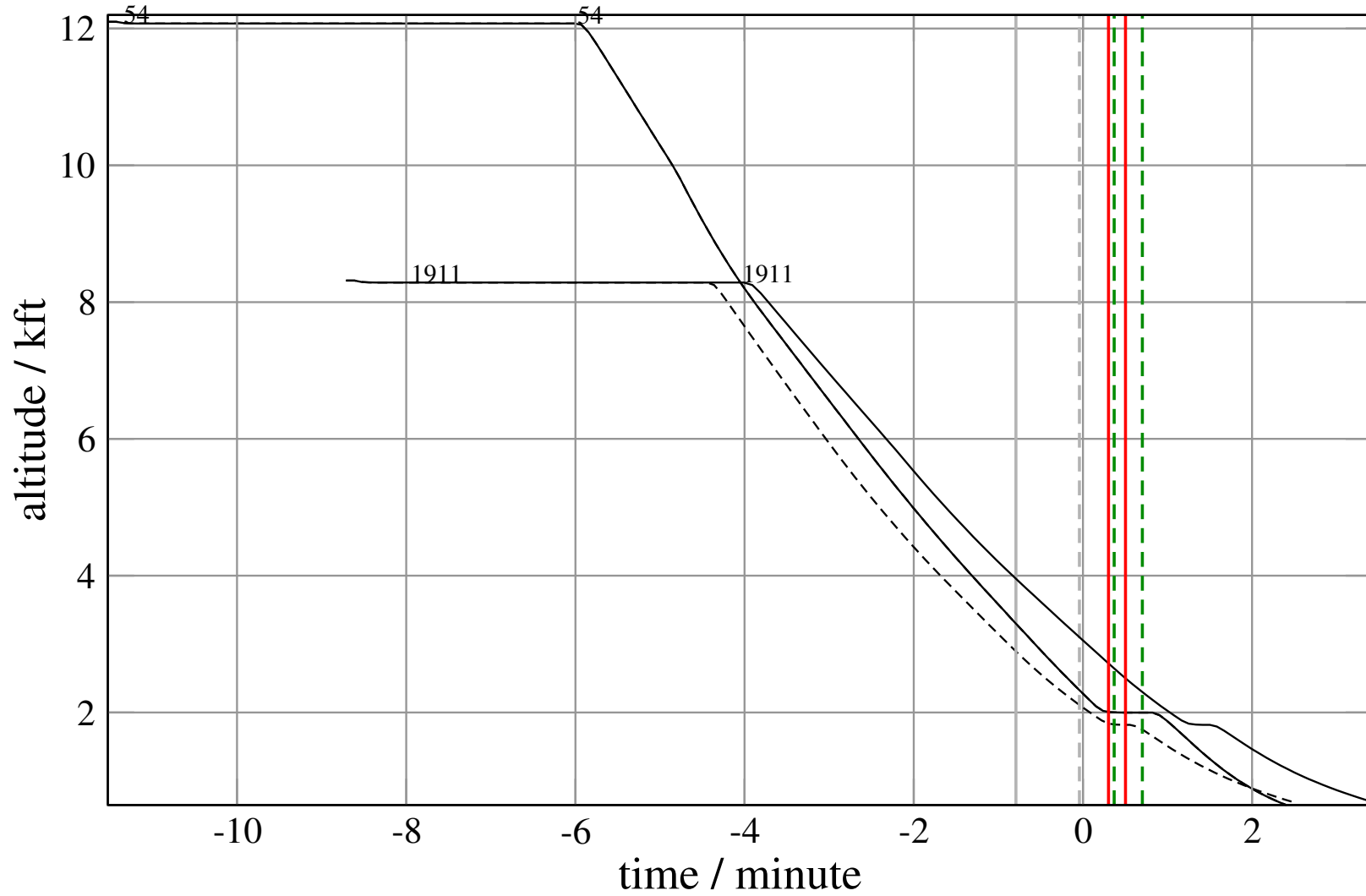
Maneuver Planview

+ A1911E-A54E 0.163H->1.110H: A1911E speed dec 40 kn (+57 s) 54-1911-29



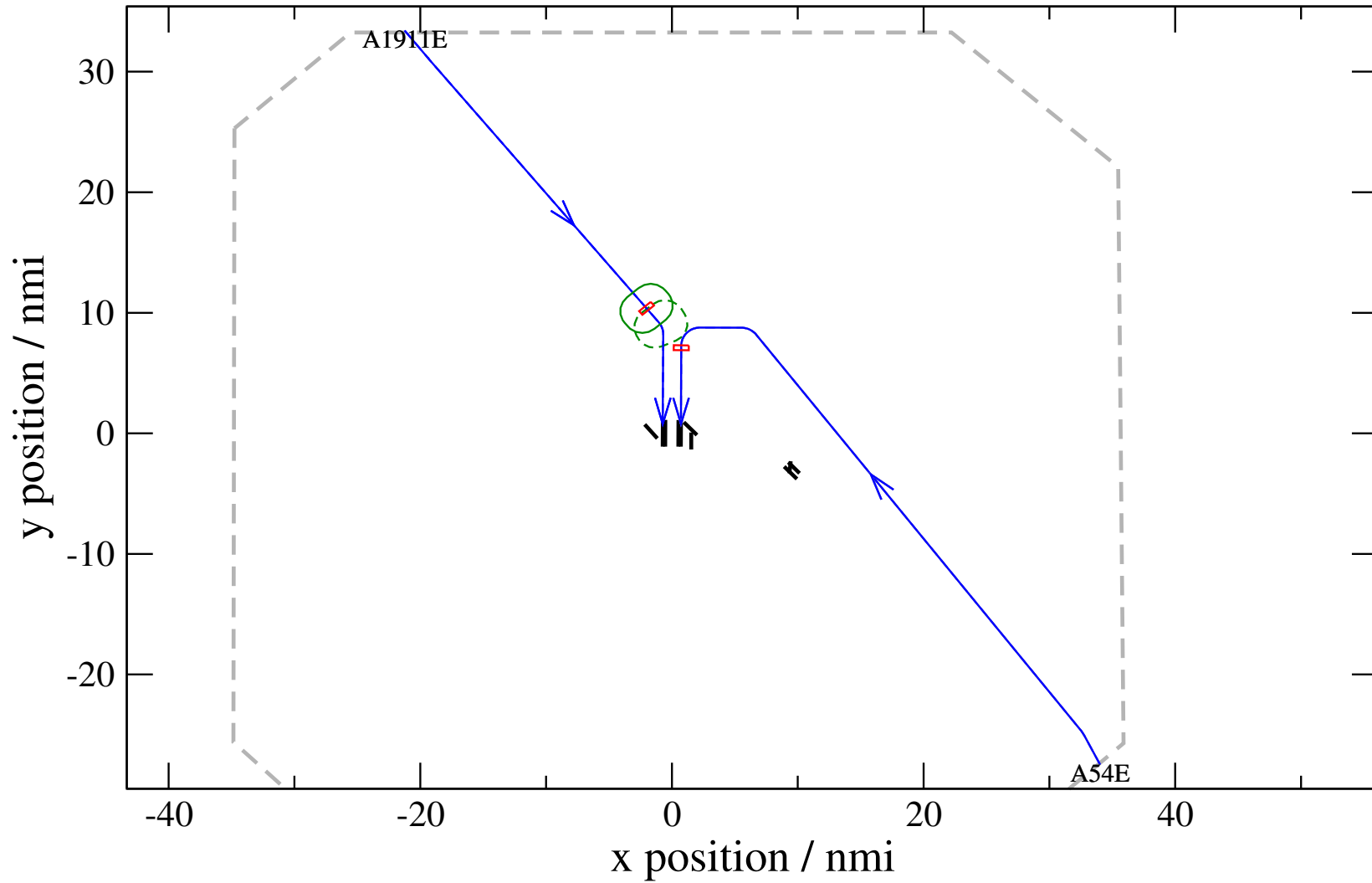
Maneuver Altitude Profiles

+ A1911E-A54E 0.163H->1.110H: A1911E speed dec 40 kn (+57 s) 54-1911-29



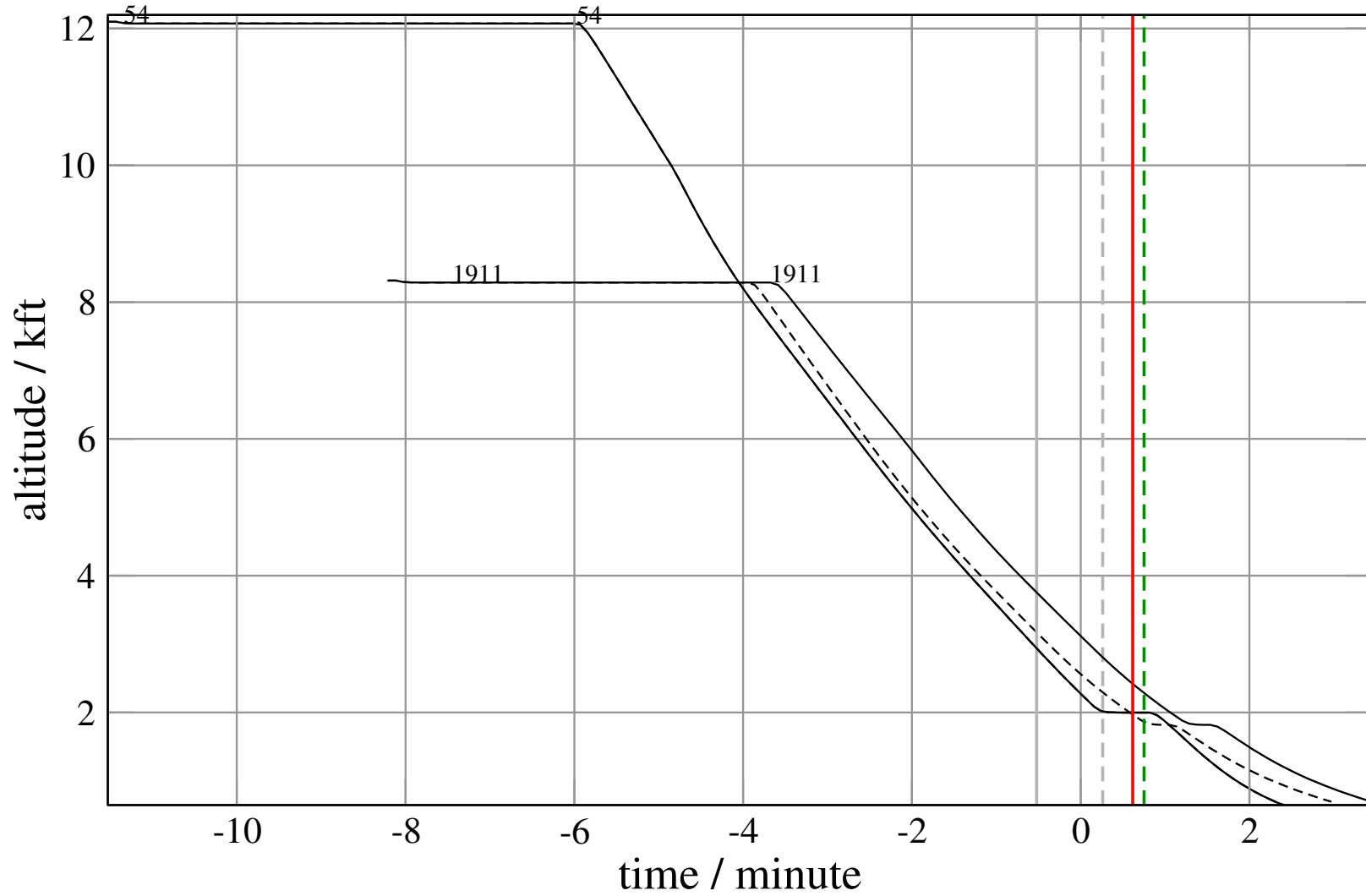
Maneuver Planview

+ A1911E-A54E 0.598H->1.177H: A1911E speed dec 25 kn (+29 s) 54-1911-30



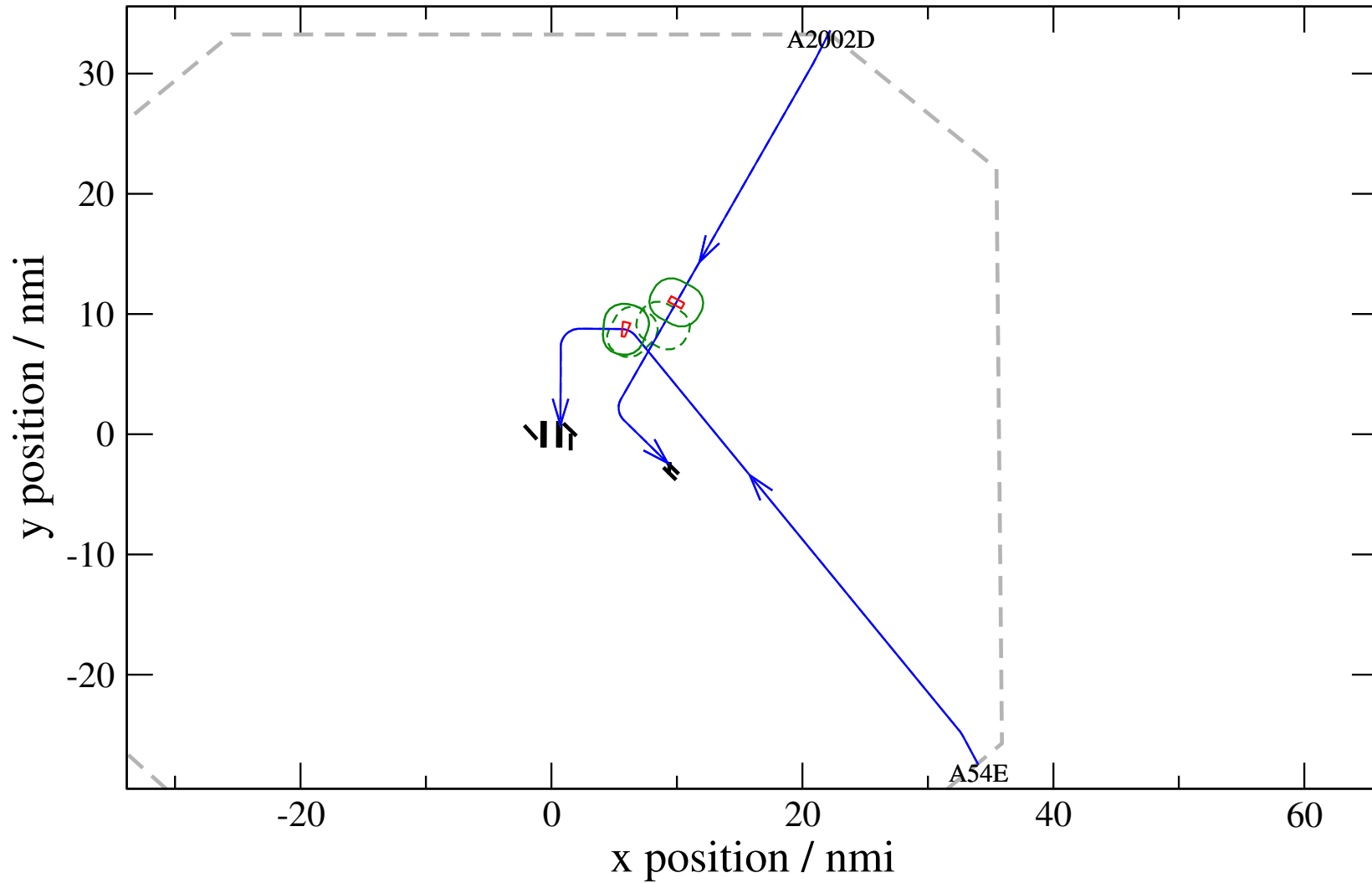
Maneuver Altitude Profiles

+ A1911E-A54E 0.598H->1.177H: A1911E speed dec 25 kn (+29 s) 54-1911-30



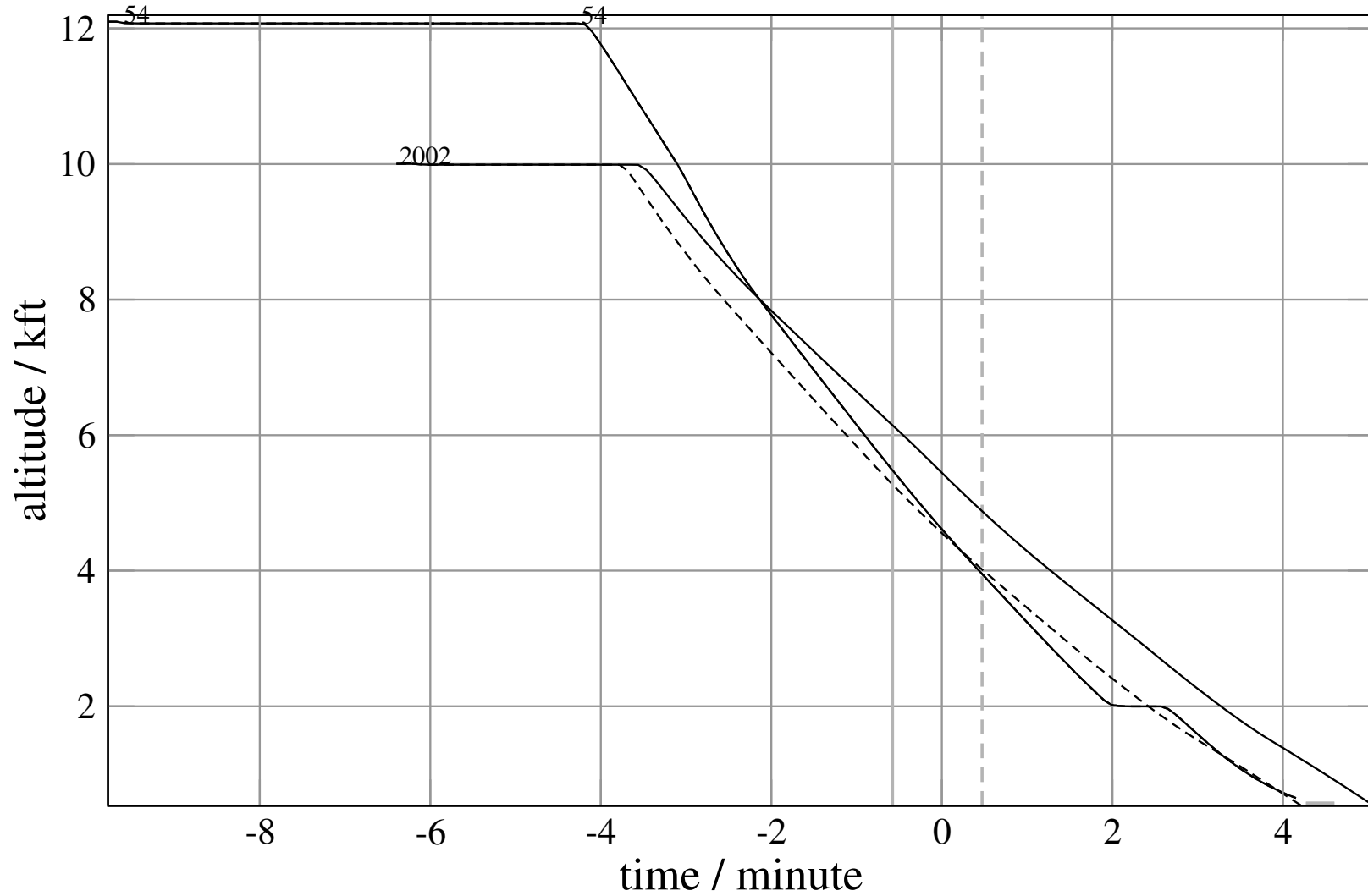
Maneuver Planview

+ A2002D-A54E 0.442H->1.173H: A2002D speed dec 35 kn (+51 s) 54-2002-29



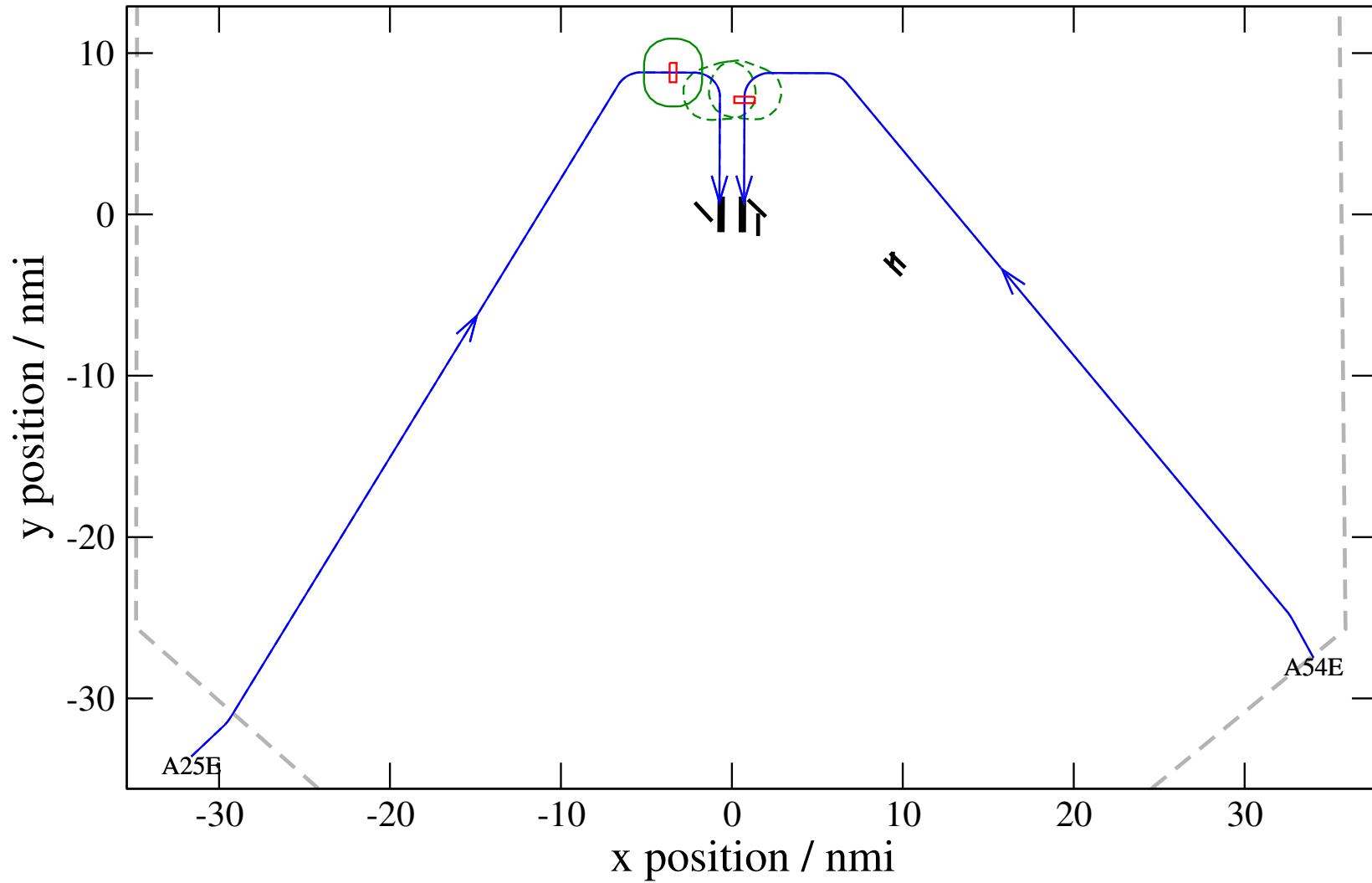
Maneuver Altitude Profiles

+ A2002D-A54E 0.442H->1.173H: A2002D speed dec 35 kn (+51 s) 54-2002-29



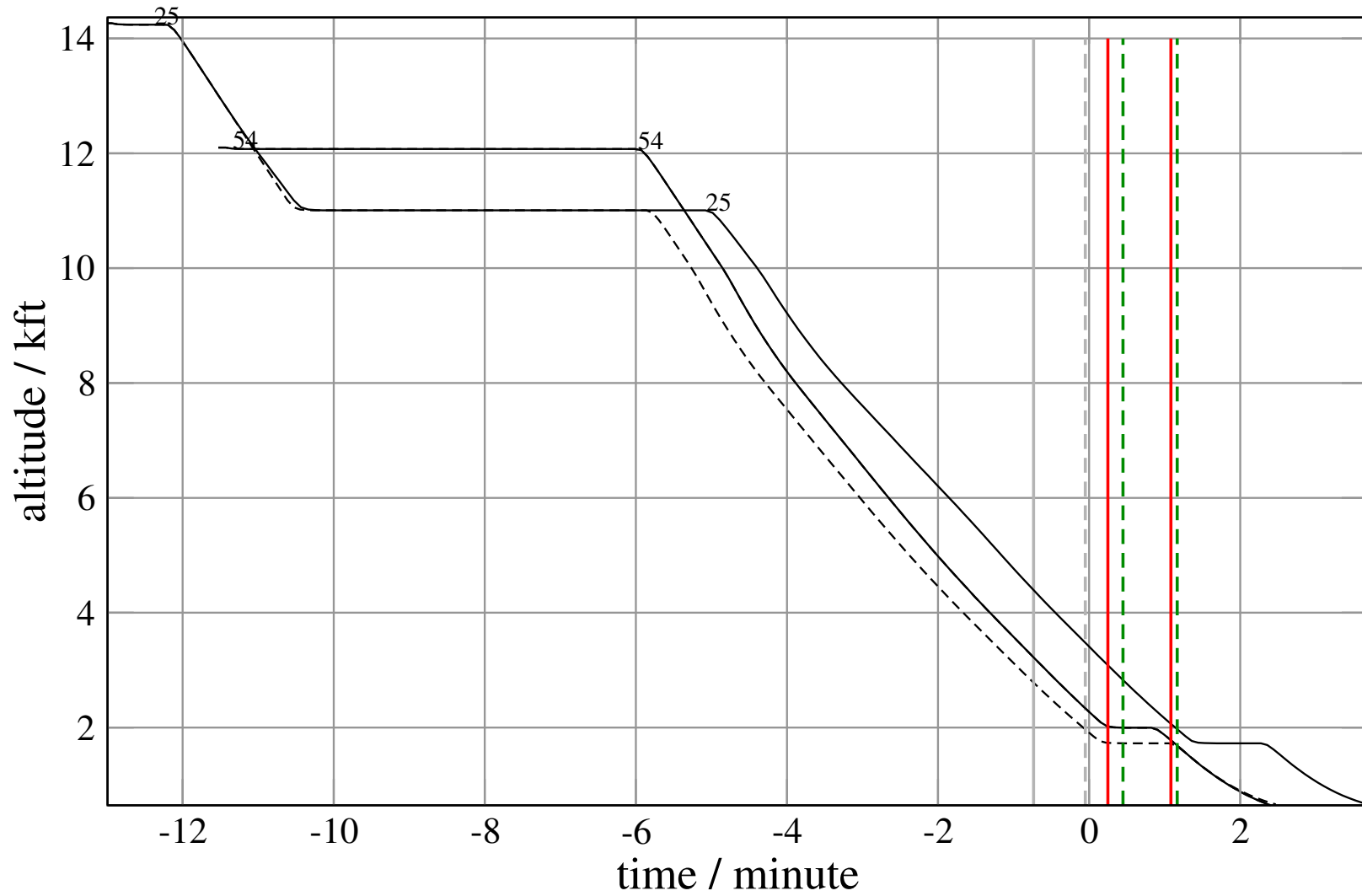
Maneuver Planview

+ A25E-A54E 0.163V->1.167H: A25E speed dec 33 kn (+73 s) 54-25-29



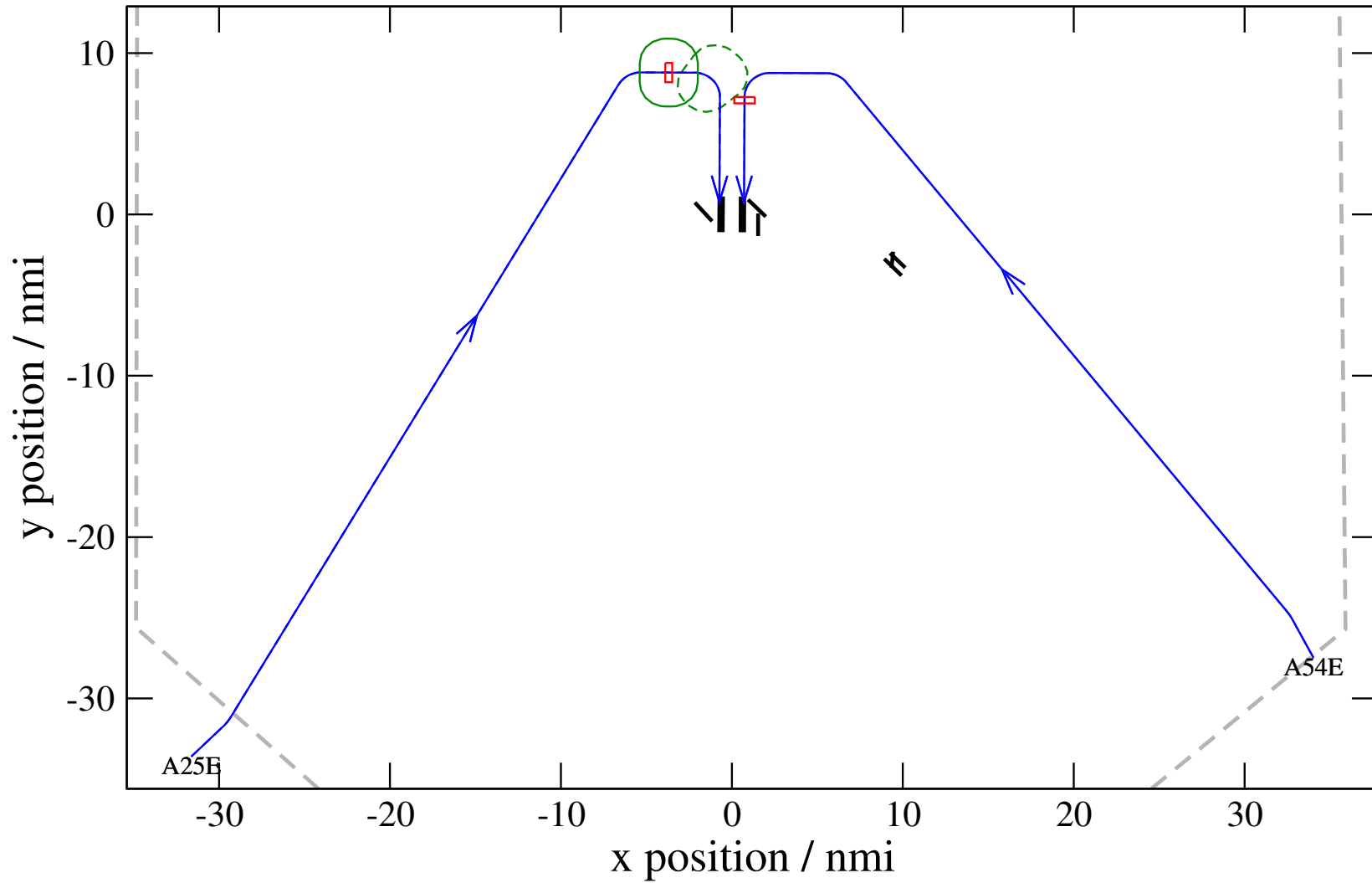
Maneuver Altitude Profiles

+ A25E-A54E 0.163V->1.167H: A25E speed dec 33 kn (+73 s) 54-25-29



Maneuver Planview

+ A25E-A54E 0.493H->1.249H: A25E speed dec 23 kn (+48 s) 54-25-30



Maneuver Altitude Profiles

+ A25E-A54E 0.493H->1.249H: A25E speed dec 23 kn (+48 s) 54-25-30

