

ANNULAR "RING" PHASE OF THE ECLIPSE BEGINS AT SUNRISE

50.90n 89.35w at 1000 UTC (5:00am CDT)
END OF OBSERVATION RUN, TURN BACK TOWARDS RYV

50.51n 88.88w at 0955 UTC (4:55am CDT)

50.12n 88.42w at 0950 UTC (4:50am CDT)
ANNULAR ECLIPSE VISIBLE HERE ~ 4 MINUTES

35 MINUTES
20 MINUTES

49.73n 87.97w at 0945 UTC (4:45am CDT)

49.34n 87.53w at 0940 UTC (4:40am CDT)

48.95n 87.09w at 0935 UTC (4:35am CDT)

48.55n 86.66w at 0930 UTC (4:30am CDT)

48.16n 86.24w at 0925 UTC (4:25am CDT)
BEGIN OBSERVATION RUN OF 35 MINUTES WHEREIN THE SUNRISE ECLIPSE, LASTING ABOUT 4 MINUTES, WILL BE "STRAIGHT OUT" THE RIGHT SIDE TOWARDS THE NORTHEAST AT AZIMUTH 52.8° AT 0.5° ABOVE THE ASTRONOMICAL HORIZON - AIRCRAFT BEARING 322.8° -

RETURN TO RYV
~ 1130 UTC?
(6:30am CDT)

~ 510 NM
~ 90 MINUTES

~ 320 NM
~ 85 MINUTES

DEPART RYV
~ 0800 UTC?
(3:00am CDT)

WATERTOWN MUNICIPAL AIRPORT - RYV -
43.17n
88.73w