

while the fewest number were moving among trees below the tree top level. Some were alighting in trees and then, after pausing a few minutes, continued on; others flew non-stop across area. at 4:32 460 have passed. at 4:35 600 have passed. 4:38 700 have passed by. 4:40 810 have passed by. 4:45 1200 have passed by. 4:47 1350 have passed by. 4:48 not a single robin has passed by in the last minute. 4:52 1362 robins have passed by. The main mass seems to have passed by with movement ending rather abruptly. at 4:53 movement picking up again with 80 birds having passed over since 4:52 making the total no 1442. 4:54 1490 have passed by (sun about 25 minutes or less from setting and lights & shadows long and golden). 4:55 1500 birds have passed by (one robin dropped down from tree and started to feed in field). 4:56 1540 robins have passed by. The robin migration has definitely been in two major groups and within a major group, subdivisions of from 40 to 100 birds. 4:56 1600 birds have passed by. 5:00 1680 robins have passed by. 5:01 1710 robins have passed by. Groups of from 30 to 80 seem to arrive and alight in trees and then all leave together when group is activated. 5:04 1800 robins have passed by. 5:07 1850 robins have passed by. Most birds flying just above top of trees. 5:08 there has been an abrupt ending of migration at least there has not been a robin pass by since 5:07 (sun about 10 minutes from setting but lights rapidly fading. at 5:09 the final total was 1858 robins, the last 8 as stragglers. There were no other robins passing by after 5:09. In the bottom of the gully noted (during the observation of the robins), 3 blue jays, 8 cardinals, 18 juncos, 5 Harris sparrows 1 yellow shafted flicker pass across road near ground level and travelling equally in numbers from one side to the other. Checked the area below dam but did not see a single robin, so apparently all ~~to~~ robins were passing over area or thru area on their flight to the N.W. a greater percentage of robin alighted in trees on ridge to north but always moved on, perhaps to trees on N side of ridge. Left census area

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