

nighthawks and chimney swifts in air.
 Photo 810923-21 photo of clouds from 402 Yorkshire, Lawrence, Kansas
 at 6:00 P.M.

Lawrence, Douglas Co., Kansas
~~Sumner~~ Sept. 24, 1981

Wind from S, temp 68°F, rain clouds overhead.

checked outward flight of grackles & other blackbirds at Hallmark
 Roosting Site, (see map Sept. 21, 1981) 2,000,000 birds.

6:57 A.M. .8 Candlepower. 2 grackles left W for residential area.
 Other birds low to middle position in trees (not active and calling
 in tops of trees as usual).

7:00 A.M. 1.6 Candlepower. Increase in calling of birds.

7:02 A.M. 1.6 - 3.2 Candlepower. Calls increasing. 8 single birds
 left to W since 6:57 A.M.

7:04 A.M. 3.2 Candlepower.

7:06 A.M. 3.2 to 6.5 Candlepower.

7:07 A.M. 6.5 Candlepower

7:10 A.M. 6.5 Candlepower. many mosquitoes (each morning I
 have checked Hallmark Roosting Site).

7:12 A.M. 6.5 Candlepower. First group of 12 birds left, then 30
 sec. later 400 birds (grackles) left to N.W., then reduced numbers
 left.

7:13 A.M. 6.5 Candlepower main flight, massive and continuous.

7:15 A.M. 8.0 Candlepower

7:18 A.M. 13 Candlepower.

7:20 A.M. 15 Candlepower. end major flight, few stragglers left after
 massive or main flight.

7:30 A.M. 50 Candlepower. no observable sunrise.

Checked area beneath roosting trees and found:

8 dead grackles.

black feathers covering ground 1/4" apart,

fecal droppings on leaves & ground from 1/2" apart to complete
 whitewash. Lower branches of trees also covered with the
 white excrement.

In P.M. collected the following butterflies

810924-1 monarch

810924-7 skipper, checker ♀

810924-2 ghostweed

810924-8 skipper, sp. ♂

810924-3 tan skipper

810924-4 " "

810924-5 skipper, checker ♂

810924-6 " " ♀