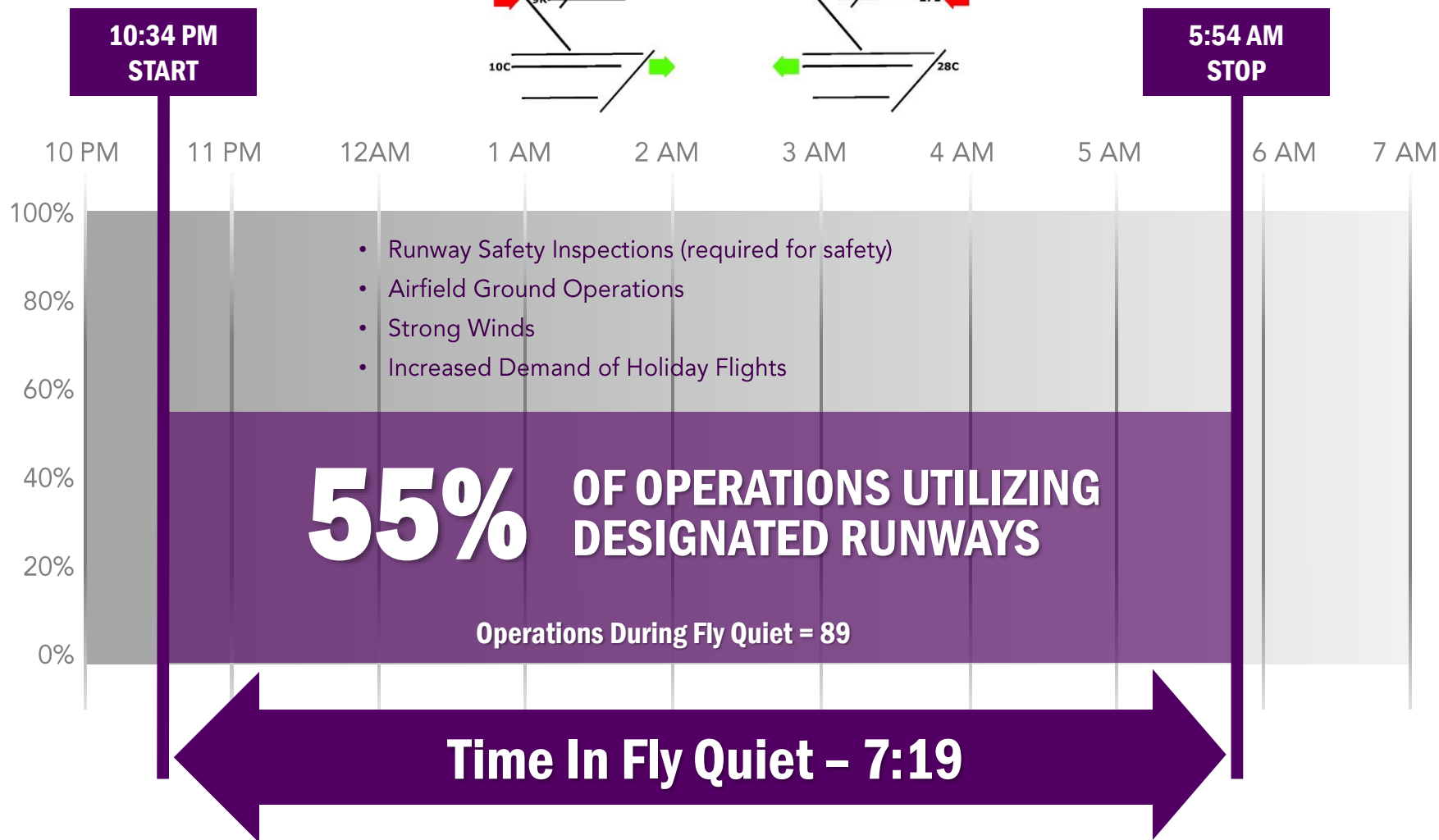
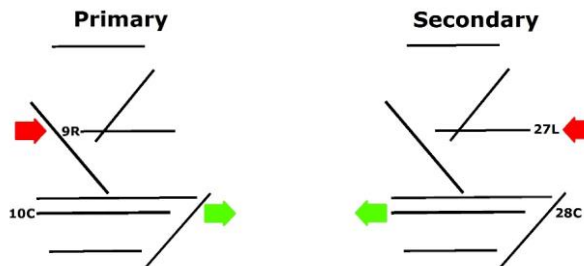


FLY QUIET SUMMARY

WEEK OF NOVEMBER 20, 2016 (Week 21)



Note: Values above represent the average for time period.

**RUNWAY ROTATION TEST
JULY 6, 2016 TO DECEMBER 25, 2016**



Week of November 20th (Week 21)

Overall Fly Quiet					Runway Rotation Test				
Start	Stop	Duration (hrs: mins)	Percentage of Nighttime ¹	Operations	Start	Stop	Duration ² (hrs: mins)	Primary ³	Secondary ³
11/20/16 - 10:14 PM	11/21/16 - 05:44 AM	7:30	83%	92	11/20/16 - 10:14 PM	11/21/16 - 05:35 AM	4:39	0%	83%
11/21/16 - 10:13 PM	11/22/16 - 05:53 AM	7:40	85%	92	--	--	0:00	24%	0%
11/22/16 - 10:24 PM	11/23/16 - 05:48 AM	7:24	82%	102	--	--	0:00	15%	0%
11/23/16 - 10:21 PM	11/24/16 - 05:34 AM	7:13	80%	106	11/23/16 - 10:21 PM	11/24/16 - 05:34 AM	6:12	0%	81%
11/24/16 - 10:00 PM	11/25/16 - 07:00 AM	9:00	100%	102	11/24/16 - 10:00 PM	11/25/16 - 03:50 AM	4:53	0%	40%
11/25/16 - 10:11 PM	11/26/16 - 05:44 AM	7:33	84%	83	11/25/16 - 10:11 PM	11/26/16 - 05:44 AM	6:13	0%	81%
11/27/16 - 12:38 AM	11/27/16 - 05:36 AM	4:58	55%	49	11/27/16 - 02:58 AM	11/27/16 - 05:36 AM	2:38	0%	80%
Average (Week of November 20th)					Average (Week of November 20th)				
10:34 PM	5:54 AM	7:19	81%	89	11:01 PM	5:40 AM	3:30	6%	49%
Cumulative Week 1 - 21 (July 6 - November 26)					Cumulative Week 1 - 21 (July 6 - November 26)				
10:42 PM	5:41 AM	6:59	77%	96	11:18 PM	5:34 AM	4:41	47%	23%

Notes:

- 1: FAR Part 150 considers nighttime hours 10:00 PM - 07:00 AM.
- 2: Duration was not continuous because FAR Part 139 necessitates nightly runway closures for safety inspections.
- 3: Percentage of operations on designated runways for rotation within the overall Fly Quiet Time.

Summary:

The average time in Fly Quiet was 7 hours and 19 minutes per night.
The percentage of operations on the rotation runways in the primary or secondary configuration was 55%.

Comments:

- a: There were 9 requests granted for alternative runways during the rotation period.
- b: Arrivals on runway 9R and the Rotation Test was restricted at times due to airfield ground operations.
- c: On the nights of 11/21 and 11/22 the Rotation Test was restricted due to strong winds in the Chicago area.
- d: On the night of 11/26 the Rotation Test was restricted at times due to increased demand of holiday flights.
- e: Winds were less than 5 knots 20% of the time (potential for east or west flow).
- f: Winds were greater than 5 knots and from the west 51% of the time (potential for west flow).
- g: Winds were greater than 5 knots and from the east 14% of the time (potential for east flow).
- h: Winds were greater than 5 knots and from the south 12% of the time.
- i: Winds were greater than 5 knots and from the north 2% of the time.
- j: Winds were greater than 5 knots and variable 0% of the time.

