

Delta Air Lines, Inc.  
New York, NY  
March 5, 2015  
DCA15FA085

**NATIONAL TRANSPORTATION SAFETY BOARD  
WASHINGTON, D.C.**

ATTACHMENT 1

LGA Snow Log

8 Pages



# Airport Operations

## Snow Event

Date	3/4/2015	Time	18:30	Alert Upgrade
Snow Start Date	3/4/2015	Alert		Alert Upgrade
Snow Start Time	00:00:00	Time	00:00:00	Alert Downgrade

Forecast Rain and sleet before 2am, then snow. Low around 26. Northwest wind 7 to 11 mph. Chance of precipitation is 100%. Total nighttime snow and sleet accumulation of 1 to 3 inches possible. Thursday Snow, mainly before 5pm. Temperature falling to around 25 by 1pm. Wind chill values between 15 and 25. North wind 11 to 13 mph. Chance of precipitation is 90%. New snow accumulation of 3 to 5 inches possible.

1830L- Snow Condition 5 in effect 1830L-0630L

1830L- Snow Desk Open

- 90- Provenza
- 100- Figueiredo
- Office- Futch
- Team Green- Hilda/Feury
- Team Blue- Sosa/Benson
- Team Red- Elmonis/Renalto
- Team White- Darden/Alton (Dom-OJT)
- Team Amber (H/S)- Dione/Liao
- MPT- Diana
- GP3- Mida
- 72/78- Finkelstein
- 71- Whelan
- CC- Priscilla

KLGA 050228Z 0502/0524 25008KT 3SM -RA BR SCT008 OVC025  
 TEMPO 0502/0505 1SM -RA BR  
 FM050500 34008KT 1SM -RASNPL BR OVC008  
 FM050700 35008KT 1/2SM SN FZFG OVC005  
 FM051200 35012G18KT 1SM -SN BR OVC008  
 FM051600 35012G18KT 2SM -SN BR SCT008 OVC015  
 FM052200 33012KT P6SM BKN020 OVC050  
 PROB30 0522/0524 2SM -SN BKN008 OVC015

2145L- Surface Temp: 40.3F Air Temp: 42.8F

2200L- KLGA 050151Z 22007KT 3SM -RA BR FEW022 OVC032 06/04 A2990 RMK AO2 RAB27 SLP123 P0002 T00610039

2200L- Surface Temp: 40.3F Air Temp: 42.6F

2300L- Surface Temp: 39.9F Air Temp: 41.9F

2300L- KLGA 050351Z 25006G15KT 6SM -RA BKN039 OVC046 06/03 A2991 RMK AO2 SLP129 P0005 T00610028

2305L- BRAG all types RWY 22

0000L- Surface Temp: 39.4F Air Temp: 40.5F

0000L- KLGA 050451Z 30007KT 5SM -RA BR FEW015 OVC044 05/03 A2990 RMK AO2 SLP124 P0006 T00500028 400830022

0058I - I GA closed to fixed wing aircraft



# Airport Operations

- 0058L- LGA closed to fixed wing aircraft
- 0100L- Surface Temp: 39.0F Air Temp: 38.5F
- 0100L- KLGA 050551Z 31006KT 5SM -RA BR FEW015 OVC049 04/02 A2989 RMK AO2 SLP122 4/003 P0007 60027 T00440022 10067 20044 58004
- 0200L- Surface Temp:38.5F Air Temp: 38.1F
- 0200L- KLGA 050651Z 32007KT 6SM -RA BR OVC055 04/02 A2990 RMK AO2 SLP124 P0004 T00390017
- 0300L- Surface Temp: 36.9F Air Temp: 37.0F
- 0300L- KLGA 050751Z 34010KT 6SM -RA BKN013 OVC020 03/01 A2992 RMK AO2 SLP131 P0003 T00330006
- 0325L- Changeover beginning
- 0330L- KLGA 050826Z 32009KT 8SM -RASN BKN014 BKN024 OVC041 02/00 A2992 RMK AO2 SNB26 P0002
- 0345L- 90/100 inspecting aerodrome surfaces
- 0400L- Surface Temp: 35.1F Air Temp: 34.0F
- 0400L- KLGA 050851Z 35008KT 4SM -RASN BR OVC010 02/M01 A2993 RMK AO2 SNB26 SLP134 P0004 60011 T00171006
- 0400L- TOTAL ACCUMULATIONS: TRACE
- 0415L- Operations units responding to PEG ramp
- 0425L- Team Green with four plows (2 Chem/2 Sand) treating RWY 4/22 (Two round-trip passes)
- 0430L- Team White with 1 BATs truck treating West side TWYs and West side turnoffs of RWY 4/22 and RWY 13/31
- 0430L- Surface Temp: 33.4F Air Temp: 33.6F
- 0430L- KLGA 050920Z 33012G20KT 1 3/4SM -SN BR SCT012 OVC022 01/M01 A2997 RMK AO2 TWR VIS 2 RAE12 P0001
- 0440L- Team Red with 1 BATs truck treating East side TWYs and East side turnoffs of RWY 4/22 and RWY 13/31
- 0445L- FICONS updated
- 0450L- Team Green with four plows (2 Chem/2 Sand) treating RWY 13/31 (Two round-trip passes)
- 0500L- TOTAL ACCUMULATIONS: TRACE
- 0500L- Surface Temp: 34.0F Air Temp: 33.8F
- 0500L- KLGA 050951Z 33010KT 2SM -SN BR OVC023 01/M01 A2998 RMK AO2 RAE12 SLP153 P0002 T00111011
- 0505L- Team White with 1 BATs truck treating CTB alleyways
- 0515L- All teams complete with treatments. 90/100 monitoring all aerodrome surfaces for accumulation
- 0530L- Surface Temp: 32.5 F Air Temp: 33.1F
- 0530L- KLGA 051017Z 33012KT 1 1/2SM -SN FEW016 OVC025 01/M02 A3000 RMK AO2 TWR VIS 2 P0000
- 0542L- Team Green with four plows (2 Chem/2 Sand) treating RWY 4/22
- 0550L- Team Green with four plows (2 Chem/2 Sand) treating RWY 13/31
- 0557L- LGA reopened
- 0600L- Surface Temp:32.5F Air Temp: 32.4F



# Airport Operations

0600L- KLGA 051051Z 34008KT 1 1/2SM -SN BR BKN013 OVC024 01/M01 A2999 RMK AO2 SFC VIS 1 3/4 SLP156  
P0001

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0630 hrs. - Snow Condition 5 in effect.

KLGA 051157Z 33007KT 1/2SM R04/5000VP6000FT SN FG BKN010 OVC015 01/M02 A3003 RMK AO2 TWR VIS  
3/4 P0000  
Surf: 32.2 Air: 32  
MAT WX: .4 inches

Green Team - RWY 13/31 - Ort/Viens  
Blue Team - RWY 4/22 - Laurent/Carney  
Red Team - E/S TWYs - Benedetto/Duggins  
White Team - W/S TWYs - Niccolletta/Canepa  
Amber Team - Hi-speed TWYs - Lobasso/Strain  
53 - GP 3 - Cook  
52 - Aero - Moyer  
55 - Aero - DeFalco  
51 - MPT - Harrison  
71 - Drewniak  
72 - Gildea  
78 - Arroyo  
OCC - Shervington

0710 hrs. - 100 requests all teams respond to bldg. 30.

0715 hrs. - 100 conducting surface inspections RWY 4/22 and 13/31.

0720 hrs. - ATCT advises RWY change -

0724 hrs. - Per 93 - notify REO all construction cancelled.

0725 hrs. - ATCT notified Team green will be looking to treat RWY 4/22.

0740 hrs. - Team red w/ 1 vammats treating E/S TWYs.

0745 hrs. - Team blue treating RWY 13/31 w/ 3 mults/ 1 mauler..

0746 hrs. - Team green treating RWY 4/22 w/5 mults.

0755 hrs. - Team white w/1 vammats treating W/S TWYs.

0756 hrs. - Team amber treating hi speeds for RWY 4/22 - 2 vammats.

0757 hrs. - Team green advised ATCT - clear of RWY 22 standing by for another pass.

0758 hrs. - Team blue cleared onto RWY 13/31.

KLGA 051251Z 34006KT 1/4SM R04/3000V4000FT SN FG OVC009 00/M01 A3006 RMK AO2 TWR VIS 3/4 SLP178  
P0005 T00001011  
Surf: 32.2 Air: 31.6  
MAT WX: 1.1 inches

0808 hrs. - Per 100 - notify ATCT that Team green is standing by to treat RWY 4/22 - ATCT notified.

0818 hrs. - Team blue advises mauler needs adjustment and is being returned to bldg. 30 ramp.

0825 hrs. - 61 Advises runway change - Dept. 4 Arr: 13

0828 hrs. - Team amber completed treating hi speeds RWY 22 and responding to treat hi speeds for RWY 13.

0830 hrs. - Team amber cleared to treat hi speed TWY L.

0835 hrs. - BRAG reported by MD 80 - RWY 13.



## Airport Operations

- 0839 hrs. - Team Amber advises returning vammass to bldg. 30 - blade issue - Team amber continuing w/1 vammass.
- 0843 hrs. - Team red advises returning vammass to bldg. 30 - mechanical issue.
- 0852 hrs. - Team green cleared onto RWY 4 w/5 multis.
- 0855 hrs. - BRAP reported by Airbus.
- 0858 hrs. - Team blue cleared onto RWY 13.
- KLGA 051351Z 01014G18KT 1/2SM R04/5000VP6000FT SN FZFG FEW006 OVC014 M02/M03 A3011 RMK AO2  
TWR VIS 3/4 SLP195 SNINCR 1/5 P0005 T10171033  
Surf: 32.2 Air: 28.4  
MAT WX: 1.8 inches.
- 0905 hrs. - Structural 1 advises contractor activated.
- 0910 hrs. - 100 requests MPT for VSR, NVSR, gate 5, boat ramp 1, 2, & ARFF road. Snow desk notified.
- 0911 hrs. - Team green cleared onto RWY 4/22 full length.
- 0912 hrs. - Team blue cleared onto RWY 13/31 full length.
- 0915 hrs. - 52 and 55 responding to monitor Aero snow.
- 0918 hrs. - Team green clear of RWY 4/22 for 2 departures.
- 0919 hrs. - Team blue cleared back onto RWY 13/31.
- 0926 hrs. - Team Bue clear of RWY 13/31 and will remain clear for equipment check.
- 0927 hrs. - Team green cleared onto RWY 4/22.
- 0934 hrs. - 51 advises starting VSR.
- 0939 hrs. - Team blue advises heading to approach of 13/31 w/5 pcs - 3 multis, 1 mauler, 1 plow.
- 0940 hrs. - Team green cleared onto RWY 4/22.
- 0943 hrs. - Team blue cleared onto RWY 13/31.
- 0945 hrs. - Team green clear of RWY 4/22.
- 0948 hrs. - BRAG by CRJ.
- 0956 hrs. - Team Amber cleared onto TWY P.
- 0957 hrs. - Team green cleared onto RWY 4/22.
- KLGA 051451Z 03010KT 1/4SM R04/3000V4500FT SN FZFG VV012 M03/M04 A3014 RMK AO2 TWR VIS 3/4  
SLP207 P0003 60013 T10281044 53040  
Surf: 32.2 Air: 26.4  
MAT WX: 2.3 inches
- 1011 hrs. - Team Blue standing by for RWY 13/31.
- 1040 hrs. - Team blue completed 2 passes RWY 13/31..
- 1046 hrs. - BRAG reported by A320.
- 1049 hrs. - 51 advises completed treating all locations.
- 1050 hrs. - Team green clear of RWY 4/22.
- 1051 hrs. - Team amber treating TWY V



# Airport Operations

1054 hr. - BRAG reported by CRJ.

KLGA 051551Z 01008KT 1/4SM R04/2800V3500FT SN FZFG VV009 M03/M05 A3012 RMK AO2 SLP199 P0006  
T10331050  
MAT WX: 2.7 inches

1100 hrs. - Team blue holding short of RWY 13/31 to conduct snow removal.

1102 hrs. - Team red lead reports a/c has "hit the fence". All ops units notified to respond.

1103 hrs. - LGA CLOSED.

KLGA 051651Z 32016KT 1/4SM R04/2800V4000FT SN FZFG FEW006 OVC012 M03/M05 A3015 RMK AO2 SLP210  
P0005 T10331050 \$  
Surf: 32.2 Air: 24.5  
MAT WX: 3.4 inches

1136 hrs. - Per 100 all snow teams continue ops on RWY 4/22, E/S TWYs and W/S TWYs.

1200 hrs. - MAT WX: 3.4 inches.

1203 hrs. - 51 treating NVSR.

1250 hrs. - 90 conducting special inspection.

1255 hrs. - Team green requests ops units respond to assist transporting mtce to equipment.

KLGA 051751Z COR 30015G21KT 1/4SM R04/2200V2800FT +SN FZFG VV007 M05/M07 A3017 RMK AO2 TWR  
VIS 1/4 SLP217 931040 4/007 933015 SNINCR 1/7 P0004 60028 T10501067 10006 21050 53010 \$  
Surf: 30.6 Air: 22.3  
MAT WX: 4.1 Inches

1310 hrs. - Team green treating RWY 4/22 w/ 6 multis and 1 vammass.

1312 hrs. - Team amber w/1 vammass treating hi speeds.

1315 hrs. - Team red w/2 vammass treating E/S TWYS.

1320 hrs. - Team white w/1 multi treating W/S TWYS.

KLGA 051907Z 31008KT 1 1/4SM -SN VV015 M05/M08 A3016 RMK AO2 TWR VIS 2 P0000 \$  
Surf: Air:  
MAT WX: 5.9

1400 hrs. - LGA REOPENS - RWY 4/22 OPEN - RWY 13/31 REMAINS CLOSED.

1422 hrs. - Team green advises RWY 4/22 sanded.

1424 hrs. - Team Green has 1 chemical truck on RWY 4/22.

1440 hrs. - Team white advises he is returning equipment to bldg. 30 for short personal.

1450 hrs. - Electric shop continues work on RWY 4/22.

1455 hrs. - Team green advises RWY 4/22 and associated TWYs have been treated solid chemical and sanded.

KLGA 051951Z 33004KT 8SM BKN035 OVC042 M04/M09 A3018 RMK AO2 SNE37 SLP218 P0000 T10391089 \$  
Surf: 30 Air: 23  
MAT WX: 6 inches

1525 hrs. - 90 advises all personnel clear of RWY 4/22.

1530 hrs. - 72 advises all parking lots are open. Maintenance has crews plowing all roadways, elevated roadways, parking lots, guard posts. Contractor is treating all sidewalks and cross walks.

1540 hrs. - ATCT requests RWY 4/22 condition update. 90 advised.



## Airport Operations

1540 hrs. - ATCT requests RWY 4/22 condition update. 90 advised.

1544 hrs. - 90 conducting surface inspection RWY 4/22.

1550 hrs. - 90 requests team green treat RWY 4/22. Snow desk notified for equipment. ATCT notified green team will need to treat RWY.

1556 hrs. - 100 conducting surface inspection RWY 4/22.

KLGA 052051Z 32005KT 3/4SM R04/5000VP6000FT -SN VV020 M05/M08 A3019 RMK AO2 SNB1958 SLP222  
P0001 60005 T10501078 53018 \$  
Surf: 30 Air: 23.2  
MAT WX: 6.2 inches

1603 hrs. - Team green on RWY 4/22 w/5 mulis, 2 vammars, 2 plows.

1624 hrs. - Team green w/5 mults and 2 sand treating RWY 4/22.

1632 hrs. - DAL 1875 - MD 80 departed RWY 4/22.

1636 hrs. - Team Green cleared onto RWY 4/22 to continue treating.

1646 hrs. - Formal deicing is complete.

KLGA 052151Z 32012KT 1/2SM R04/4500V5500FT SN FZFG VV013 M06/M08 A3020 RMK AO2 SLP225 P0003  
T10561078 \$  
Surf: 27.5 Air: 21.4  
MAT WX: 6.6 inches

1704 hrs. - ATCT requesting current surface inspection. 93 advises thin wet snow.

1705 hrs. - 100 advised ATCT.

1700 hrs. - Team blue w/1 bay loader breaking down berms on west side.

1715 hrs. - Team white treating W/S TWYs with 1 multi.

1718 hrs. - Team Amber completed treating all turnoffs RWY 4, TWY R and U.

1731 hrs. - Team green requests update on next flight activity. ATCT advises approx. 30 minutes. Team green notified.

1740 hrs. - ATCT advises a/c taxiing out for departure. Team Green lead advised. Snow desk advised for update.

1744 hrs. - 100 advised all teams bring equipment to approach of RWY 4.

1746 hrs. - Team green treating RWY 4/22.

1749 hrs. - Team Amber to treat RWY 4/22 once team green clear will equipment.

1752 hrs. - Team amber with 2 sanders to treat RWY.

1753 hrs. - Team green clear of RWY 4/22.

1755 hrs. - 100 advised ATCT 1/4 inch wet snow, RWY broomed, plowed, and sanded.

KLGA 052251Z 32012KT 1SM R04/P6000FT -SN BR VV017 M06/M08 A3024 RMK AO2 PRESRR SLP239 SNINCR  
1/11 P0002 T10561078 \$  
Surf: 27.1 Air: 21.7  
MAT WX: 7.8 inches

1800 hrs. - 100 requests team green treat west side hi speeds.

1808 hrs. - ATCT advises DAL will be departing and requires less than a 1/4 on RWY. 100 notified and team green responding to check and retreat RWY.

1815 hrs. - Team green advises they have returned equipment to bldg. 30 ramp



# Airport Operations

1815 hrs. - Team green advises they have returned equipment to bldg. 30 ramp.

1819 hrs. - 100 conducting RWY 4/22 check.

1820 hrs. - 100 advised ATCT thin covering wet snow, RWY 4/22 plowed and broomed.

1821 hrs. - 100 advised ATCT all equipment clear of RWY 4/22.

1826 hrs. - G5 departed RWY 4/22.

1827 hrs. - Team Red advises completed treating E/S TWYs, and R with 3 multis.

1830 hrs. - Team White advises completed treating W/S TWYs w/ multi.

1831 hrs. - Team blue advises completed treating hi speeds RWY 4/22.

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1830L- SC-5 remains in effect

1855L- BRAF A320 RWY 4

1908L- BRAF A320 RWY 4

1913L- Team Amber treating RWY 4/22 with 2 plows (sand)

1915L- Surface Temp: 25.5F Air Temp: 22.1F

1915L- KLGA 052351Z COR 34007KT 8SM -SN FEW018 SCT036 OVC100 M05/M10 A3025 RMK AO2 SNB23 SLP243

1920L- KLGA 052332Z 0600/0624 32012KT 4SM BR SCT015 OVC035  
FM060100 33012KT P6SM OVC050  
FM060600 36015KT P6SM SCT050  
FM061100 36009KT P6SM FEW050  
FM062000 VRB05KT P6SM FEW050

1917 - Precip has ended.

Metar: KLGA 060051Z 32009KT 8SM OVC060 M04/M11 A3026 RMK AO2 SNE17

1923L- New FICON update for RWY 4/22. TN DRY SN SANDED

1926L- BRAF A320 RWY 4

1939L- BRAF E190 RWY 4

2021L- BRAF-BRAG A320 RWY 4

2045 - BRAF B737 RWY 4

2100 - Green team has begun snow removal on RWY 13/31. Team amber working on RWY 13/31 turn offs.

2120 - BRAF by all types RWY 4

2317 - BRAP Delta B717 RWY 4

2328 - RWY 4 sand and solid chemical being applied.

2340 - RWY 4 now has thin dry snow deiced solid and sanded. ATCT notified. Notam issued.

2352 - BRAF A319 RWY 4.

3/6/15





# Airport Operations

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0145 - Team Green to work on RWY 13/31  
Team blue to work on 13 deck  
Team amber to work on RWY 4/22 high speeds  
Team red to work on east taxiways

0155 - Team amber working on 4/22 high speeds  
- Team blue working on 13 deck

0200 - Team green working on 13/31  
- Team red working on east taxiways

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Log Entered 3/05/2015 23:28 PM Entered By Juan Ramos

Event Date/Time 3/05/2015 23:28 PM

3/6/2015 2:38:53 AM