

PRE-FLIGHT BRIEFING

KAC343

# PILOT BRIEFING

الكوبيت: KUWAIT

a a dity are ngarajan

2021/06/22 01:44

# KAC343

DATE AND	
TIME (GMT/UTC)	2021/06/22 01:44
FROM	John F Kennedy International Airport
TO	Kuala Lumpur International Airport
ROUTE	KJFK ATHOS J37 ALB J570 MT RR23 YFM AR13 VP J561 YFY AR17 YJI 6900N06300W 7000N06200W 7200N06000W TOMAS 7400N05800W 7500N05700W 7700N05400W 7900N05000W 8000N04700W 8200N03900W 8300N03200W 8300N03100W 8300N03000W 8300N02900W 8300N02800W 8300N02700W 8300N02600W 8300N02500W 8300N02400W 8300N02300W 8300N02200W 8300N02100W 8300N01900W 8300N01900W 8300N01800W 8300N01700W 8300N01600W 8300N01500W 8300N01400W 8300N01300W 8300N01200W 8300N01100W 8300N01000W 8300N0900W 8300N0900W 8300N0900W 8300N0900W 8300N0900W 8300N0900W 8300N0900E 8300N0200E 8300N0300E 8300N0400W 8300N0500E 8300N0600E 8300N0700E 8300N0900E 8300N01000E 8300N01100E 8300N01200E 8300N01200E 8300N01200E 8300N01700E 8300N01700E 8300N01800E 8300N01900E 8300N02100E 8300N02100E 8300N02200E 8300N02300E 8300N02400E 8300N02500E 8300N02600E 8300N02700E 8300N02800E 8300N02900E 8300N03000E 8300N03100E RITAK B828 ANODI MELAM R705 DOSON G489 IGR IGR G489 THN THN G490 PTG A228 WD B247 SURIP A818 MIKET G808 NIGOR B330 URGAM H82 VGA 4500N09600E 4300N09600E LIKMI W188 GOVSA 4000N09700E BILDA W619 MULRU 3800N09800E MEPEP Y2 LUVAR L888 BIDRU A581 SAGAG B218 LPB LPB B346 BKK M757 KARMI A464 DAKUS WMKK
ALTITUDE	
	8193.24 NAUTICAL MILES
FLIGHT DURATION	16.72 HOURS
ATC CALLSIGN	KUWAITI 343
	T02390206  KJFK 212321Z 2200/2306 19018KT P6SM VCSH SCT040 BKN150 FM220100 22015G35KT 3SM TSRA BKN030CB FM220200 23009KT P6SM VCSH SCT020 SCT040 BKN150 FM220600 26007KT 5SM BR BKN010 BKN040 FM221200 29009KT P6SM SCT015 BKN040 FM221400 32010KT P6SM SCT030 BKN060 FM221600 33012KT 4SM - SHRA BKN030 OVC050 FM222200 33011KT P6SM SCT040
КЈҒК	station: KJFK type: routine report, cycle 23 (automatic report) time: Mon Jun 21 22:51:00 2021 temperature: 23.9 C dew point: 20.6 C wind: S at 20 knots, gusting to 26 knots peak wind: S at 27 knots at 22:08 visibility: 10 miles pressure: 1002.7 mb sky: a few clouds at 4500 feet scattered clouds at 25000 feet sea-level pressure: 1002.7 mb remarks: - Automated station (type 2) - peak wind 27kt from 170 degrees at 22:08 METAR: KJFK 212251Z 18020G26KT 10SM FEW045 SCT250 24/21 A2961 RMK AO2 PK WND 17027/2208 SLP027 T02390206  WMKK 212300Z 01003KT 330V050 9999 FEW010 24/22 Q1010 NOSIG
	WMKK 212300Z 01003KT 330V050 9999 FEW010 24/22 Q1010 NOSIG  TAF WMKK 212300Z 2200/2306 25005KT 9999 FEW030 PROB30 TEMPO 2212/2217 4000 TSRA FEW010 FEW017CB

WMKK

station: WMKK
type: routine report, cycle 23 (automatic report)
time: Mon Jun 21 23:00:00 2021
temperature: 24.0 C
dew point: 22.0 C
wind: NNW to NE at 3 knots
visibility: greater than 10000 meters
pressure: 1010.0 mb
sky: a few clouds at 1000 feet
METAR: WMKK 212300Z 01003KT 330V050 9999 FEW010 24/22 Q1010 NOSIG

## FPL MESSAGE FOR ATS (X.400 AMHS)



aadityarengarajan

2021/06/22 01:44

#### KAC343

(FPL-KAC343-IS

- -A321/M-SDE1E2E3FGHIJ2J3J4J5M1RWXY/LB1
- -KJFK0243

-N490F38000 KJFK ATHOS J37 ALB J570 MT RR23 YFM AR13 VP J561 YFY AR17 YJI 6900N06300W 7000N06200W 7200N06000W TOMAS 7400N05800W 7500N05700W 7700N05400W 7900N05000W 8000N04700W 8200N03900W 8300N03200W 8300N03100W 8300N03000W 8300N02900W 8300N02800W 8300N02700W 8300N02600W 8300N02500W 8300N02300W 8300N02200W 8300N02100W 8300N01900W 8300N01800W 8300N01700W 8300N01500W 8300N01400W 8300N01300W 8300N01200W 8300N01000W 8300N01000W 8300N0900W 8300N0700W 8300N0500W 8300N0500W 8300N0400W 8300N0300W 8300N0200W 8300N01000W 8300N0100E 8300N0200E 8300N0300E 8300N0400E 8300N0500E 8300N0600E 8300N0700E 8300N0100E 8300N01100E 8300N01200E 8300N01300E 8300N01600E 8300N01700E 8300N01800E 8300N01900E 8300N0200E 8300

- -WMKK1927
- -PBN/A1B1C1D1L1O1S2 DOF/210622 REG/KAC343 EET/WMKK1643 OPR/KAC PER/D C/aadityarengarajan RMK/TCAS GENERATED BY EASYFLY)

## KJFK NOTAMS



aadityarengarajan

2021/06/22 01:44

#### **KAC343**

**06/305** (A5460/21) - CRI NAV VOR/DME U/S. 23 JUN 17:00 2021 UNTIL 23 JUN 23:00 2021. CREATED: 21 JUN 23:28 2021

**06/296** (A5441/21) - RWY 04R/22L CLSD. 22 JUN 03:00 2021 UNTIL 22 JUN 10:00 2021. CREATED: 21 JUN 20:00 2021

 $\mathbf{06/295}$  (A5440/21) - RWY 04L/22R CLSD. 22 JUN 03:00 2021 UNTIL 22 JUN 10:00 2021. CREATED: 21 JUN 19:58 2021

**06/279** (A5412/21) - RWY 22R PAPI U/S. 21 JUN 10:57 2021 UNTIL 27 JUN 23:59 2021 ESTIMATED. CREATED: 21 JUN 10:58 2021

**06/272** (A5399/21) - SVC MBST/WS DETECTION SYSTEM NOT AVBL. 20 JUN 23:35 2021 UNTIL 23 JUN 23:59 2021 ESTIMATED. CREATED: 20 JUN 23:38 2021

06/266 - TWY F CL MARKINGS BTN RWY 04L/22R AND TWY Y NOT STD. 20 JUN 06:24 2021 UNTIL 31 DEC 23:00 2021. CREATED: 20 JUN 06:24 2021

 $\mathbf{06/240}$  (A5334/21) - TWY E BTN TWY C AND RWY 13L/31R CLSD. 17 JUN 14:40 2021 UNTIL 24 JUN 23:00 2021. CREATED: 17 JUN 14:40 2021

 $\mathbf{06/232}$  (A5323/21) - TWY M IN PAVEMENT RWY GUARD LGT AT RWY 13R/31L NOT STD. 17 JUN 05:37 2021 UNTIL 30 JUN 23:00 2021. CREATED: 17 JUN 05:37 2021

 $\mathbf{06/216}$  (A5300/21) - TWY MD IN PAVEMENT RWY GUARD LGT FOR RWY 13R/31L NOT STD. 16 JUN 07:56 2021 UNTIL 30 JUN 23:00 2021. CREATED: 16 JUN 07:56 2021

 $\mathbf{06/215}$  (A5299/21) - TWY MC IN PAVEMENT RWY GUARD LGT FOR RWY 13R/31L NOT STD. 16 JUN 07:50 2021 UNTIL 30 JUN 23:00 2021. CREATED: 16 JUN 07:50 2021

**06/214** (A5298/21) - TWY A CL LGT BTN TWY NA AND TWY LA U/S. 16 JUN 05:11 2021 UNTIL 30 JUN 23:00 2021. CREATED: 16 JUN 05:11 2021

**06/202** - TWY Q5 EDGE MARKINGS WEST SIDE REMOVED. 15 JUN 17:35 2021 UNTIL 31 DEC 23:00 2021. CREATED: 15 JUN 17:35 2021

**06/095** - OBST TOWER LGT (ASR 1203505) 403713.70N0733804.80W (6.6NM E JFK) 260.8FT (253.0FT AGL) U/S. 09 JUN 04:31 2021 UNTIL 24 JUN 03:31 2021. CREATED: 09 JUN 04:30 2021

**06/050** - TWY MB RWY BDRY SIGN FOR RWY 13R/31L SOUTH EAST SIDE MISSING. 03 JUN 21:34 2021 UNTIL 31 DEC 23:00 2021. CREATED: 03 JUN 21:34 2021

**06/035** - TWY E HLDG PSN SIGN SOUTHWEST SIDE FOR RWY 13L/31R MISSING. 03 JUN 08:58 2021 UNTIL 31 DEC 23:00 2021. CREATED: 03 JUN 08:58 2021

 $\mathbf{05/337}$  (A4925/21) - NAV DME 090-225 BEYOND 30NM SFC-1900FT UNUSABLE. SFC - 1900FT, 28 MAY 13:35 2021 UNTIL PERM. CREATED: 28 MAY 13:36 2021

 $\mathbf{05/336}$  (A4924/21) - NAV VOR 155-210 BEYOND 30NM SFC-1900FT UNUSABLE. SFC - 1900FT, 28 MAY 13:34 2021 UNTIL PERM. CREATED: 28 MAY 13:34 2021

**05/335** (A4923/21) - NAV VOR 025-055 BEYOND 35NM SFC-2900FT UNUSABLE. SFC - 2900FT, 28 MAY 13:33 2021 UNTIL PERM. CREATED: 28 MAY 13:33 2021

**05/334** (A4922/21) - NAV VOR 340-345 BEYOND 30NM UNUSABLE. 28 MAY 13:32 2021 UNTIL PERM. CREATED: 28 MAY 13:32 2021

**05/333** (A4921/21) - NAV VOR 340-345 BEYOND 20NM SFC-3900FT UNUSABLE. SFC - 3900FT, 28 MAY 13:30 2021 UNTIL PERM. CREATED: 28 MAY 13:31 2021

**05/298** - RWY 04L HLDG PSN SIGN AT RWY 13R/31L SW SIDE NOT STD. 26 MAY 05:05 2021 UNTIL 31 DEC 23:00 2021. CREATED: 26 MAY 05:05 2021

 $\mathbf{05/036}$  - TWY E SFC PAINTED HLDG PSN SIGNS AT RWY 13L/31R NORTHEAST SIDE OBSC. 03 MAY 16:32 2021 UNTIL 31 DEC 23:00 2021. CREATED: 03 MAY 16:32 2021

**04/406** - TWY B EDGE MARKINGS BTN TWY H AND TWY HB EAST SIDE REMOVED. 29 APR 16:23 2021 UNTIL 31 DEC 23:00 2021. CREATED: 29 APR 16:23 2021

**04/349** - OBST PARKED ACFT (ASN 2020-AEA-1302-NRA) 403933N0734749W (1878FT WEST OF DEP END RWY 31R 477FT LEFT) 74FT (64FT AGL) NOT LGTD NOT MRKD. 26 APR 10:28 2021 UNTIL PERM, CREATED: 26 APR 10:28 2021

**04/117** - TWY DB HLDG PSN SIGN SOUTHEAST SIDE FOR RWY 13L/31R MISSING. 07 APR 20:33 2021 UNTIL 31 DEC 23:00 2021. CREATED: 07 APR 20:33 2021

 $\mathbf{04/053}$  - TWY M SIGNS BTN TWY A AND TERMINAL 2 RAMP MISSING. 04 APR 07:48 2021 UNTIL 31 DEC 23:59 2021. CREATED: 04 APR 07:48 2021

**04/051** (A3643/21) - APRON GA TERMINAL RAMP HELIPAD LGT NOT STD. 04 APR 01:56 2021 UNTIL 31 DEC 23:59 2021. CREATED: 04 APR 01:56 2021

**03/419** - TWY HB LOCATION SIGN BTN TERMINAL 4 RAMP AND TWY A MISSING. 27 MAR 12:42 2021 UNTIL 31 DEC 23:00 2021. CREATED: 27 MAR 12:42 2021

**03/418** - TWY HB TWY DIRECTION SIGN FOR TWY A MISSING. 27 MAR 12:41 2021 UNTIL 31 DEC 23:00 2021. CREATED: 27 MAR 12:41 2021

03/319 - TWY K SIGNS BTN TWY B AND TWY A NOT STD. 21 MAR 12:53 2021 UNTIL 31 DEC 23:00 2021. CREATED: 21 MAR 12:53 2021

03/308 - TWY F HLDG PSN SIGN NORTHWEST SIDE FOR RWY 04L/22R NOT STD. 21 MAR 10:56 2021 UNTIL 31 DEC 23:00 2021. CREATED: 21 MAR 10:56 2021

03/302 - TWY U2 HLDG PSN SIGN WEST SIDE FOR RWY 13L/31R MISSING. 21 MAR 10:44 2021 UNTIL 31 DEC 23:00 2021. CREATED: 21 MAR 10:44 2021

**03/256** - TWY E EDGE MARKINGS BTN RWY 13L/31R AND TWY C REMOVED. 17 MAR 19:28 2021 UNTIL 31 DEC 23:00 2021. CREATED: 17 MAR 19:28 2021

**03/255** - TWY E SHOULDER MARKINGS BTN RWY 13L/31R AND TWY C REMOVED. 17 MAR 16:19 2021 UNTIL 31 DEC 23:00 2021. CREATED: 17 MAR 16:19 2021

**03/177** - TWY A CL MARKINGS BTN TWY H AND TWY G FADED. 11 MAR 15:56 2021 UNTIL 30 NOV 23:00 2021. CREATED: 11 MAR 15:56 2021

03/127 (A2897/21) - RWY 04L RWY END ID LGT U/S. 08 MAR 17:34 2021 UNTIL 08 DEC 21:11 2021 ESTIMATED. CREATED: 08 MAR 17:34 2021

**03/003** (A2708/21) - OBST CRANE (ASN 2020-AEA-628-OE) 403956N0734838W (2.1NM NW JFK) 259FT (240FT AGL) FLAGGED AND LGTD. 01 MAR 16:47 2021 UNTIL 31 DEC 23:00 2021 ESTIMATED. CREATED: 01 MAR 16:48 2021

**02/586** (A1656/21) - TWY TA BTN TWY A AND TERMINAL 8 RAMP WIP CONST ADJ EAST SHOULDER LGTD AND BARRICADED. 11 FEB 12:58 2021 UNTIL 01 OCT 23:00 2021 ESTIMATED. CREATED: 11 FEB 12:58 2021

**01/113** (A0163/21) - TWY TB BTN TERMINAL 8 RAMP AND TWY A CLSD. 08 JAN 13:28 2021 UNTIL 30 SEP 11:00 2022. CREATED: 08 JAN 13:28 2021

01/108 - TWY Y HLDG PSN SIGN FOR ILS NORTHEAST SIDE FOR RWY 13L/31R LGT U/S. 08 JAN 02:18 2021 UNTIL 31 DEC 23:00 2021. CREATED: 08 JAN 02:18 2021

**10/378** (A9302/20) - TWY Z BTN RWY 04L/22R AND TWY Y CLSD. 22 OCT 11:01 2020 UNTIL 31 DEC 11:00 2021. CREATED: 22 OCT 11:01 2020

**10/376** - TWY KE SFC PAINTED HLDG PSN SIGNS FOR RWY 13R/31L NORTH SIDE FADED. 22 OCT 10:39 2020 UNTIL 30 OCT 11:00 2021. CREATED: 22 OCT 10:39 2020

 $\mathbf{09/312}$  (A8449/20) - TWY A CLR BAR LGT AT TWY G NOT STD. 24 SEP 12:47 2020 UNTIL 24 SEP 11:00 2021. CREATED: 24 SEP 12:47 2020

FDC 1/7589 (A5450/21) - SID JOHN F KENNEDY INTL, New York, NY.

MERIT SIX DEPARTURE...

PUTNAM TRANSITION: NA EXCEPT FOR AIRCRAFT EQUIPPED WITH SUITABLE

RNAV SYSTEM WITH GPS,

 ${\tt HFD\ VOR\ OUT\ OF\ SERVICE.\ 22\ JUN\ 12:30\ 2021\ UNTIL\ 29\ JUN\ 21:17\ 2021\ ESTIMATED.}$ 

CREATED: 21 JUN 21:18 2021

FDC 1/6382 (A4997/21) - IAP JOHN F KENNEDY INTL, NEW YORK, NY.

ILS OR LOC RWY 31R, AMDT 16B...

S-LOC 31R MDA 460/HAT 447 ALL CATS.

VDP AT I-RTH 0.87 DME; DISTANCE VDP TO THLD 1.23 NM.

FOR INOPERATIVE ALS, INCREASE S-LOC 31R CAT A/B VISIBILITY TO RVR

5500.

TEMPORARY CRANE 204FT MSL 1.00 NM SOUTHEAST OF RWY 31R

(2020-AEA-10569-OE). 03 JUN 11:09 2021 UNTIL 16 AUG 11:09 2021 ESTIMATED. CREATED:

03 JUN 11:09 2021

FDC 1/4021 (A4926/21) - STAR KENNEDY INTERNATIONAL, JAMAICA, NY

LENDY ARRIVAL...

UNUSABLE BLW 4000FT. 29 MAY 00:00 2021 UNTIL 05 JAN 23:59 2022. CREATED: 28

MAY 16:10 2021

FDC 1/3949 (A4920/21) - IAP JOHN F KENNEDY INTL, NEW YORK, NY.

RNAV (GPS) X RWY 22L, ORIG...

DELETE CHART NOTES: LNAV PROCEDURE NA DURING SIMULTANEOUS

OPERATIONS. USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED

DURING SIMULTANEOUS OPERATIONS. SIMULTANEOUS APPROACH AUTHORIZED.

CHANGE MISSED APPROACH TO READ: CLIMBING LEFT TURN TO 3000 DIRECT

CHANT AND HOLD. CHANGE PBN REQUIREMENTS NOTE TO READ: RNP APCH - GPS.

THIS IS RNAV (GPS) X RWY 22L, ORIG-A. 28 MAY 12:55 2021 UNTIL PERM. CREATED: 28 MAY 12:56 2021

FDC 1/4709 (A4093/21) - SID JOHN F KENNEDY INTL, NEW YORK, NY.

GREKI SEVEN DEPARTURE...

JUDDS TRANSITION NA EXCEPT FOR ACFT EQUIPPED WITH SUITABLE RNAV

SYSTEM WITH GPS.

CMK VOR/DME R-057 UNUSABLE. 23 APR 13:52 2021 UNTIL 20 APR 13:51 2022 ESTIMATED.

CREATED: 23 APR 13:52 2021

FDC 1/4969 (A3683/21) - SID JOHN F KENNEDY INTL, NEW YORK, NY.

BETTE SIX DEPARTURE...

DEEZZ FIVE DEPARTURE (RNAV)...

GREKI SEVEN DEPARTURE...

HAPIE SIX DEPARTURE...

KENNEDY FIVE DEPARTURE...

MERIT SIX DEPARTURE...

TAKEOFF MINIMUMS: RWY 13L, 300-1 OR STANDARD WITH MINIMUM CLIMB OF

310 FT PER NM TO 300. TEMPORARY CRANE 204FT MSL 1.69 NM EAST OF JFK

AIRPORT (2020-AEA-10569-OE).

ALL OTHER DATA REMAINS AS PUBLISHED. 05 APR 17:44 2021 UNTIL 16 AUG 17:44 2021

ESTIMATED. CREATED: 05 APR 17:45 2021

FDC 1/4968 (A3682/21) - IAP JOHN F KENNEDY INTL, NEW YORK, NY.

VOR RWY 22L, AMDT 4F...

S-22L MDA 460/HAT 448 ALL CATS.

TEMPORARY CRANE 204FT MSL 1.00 NM SOUTHEAST OF RWY 31R

(2020-AEA-10569-OE). 05 APR 17:44 2021 UNTIL 16 AUG 17:44 2021 ESTIMATED. CREATED:

05 APR 17:45 2021

FDC 1/4967 (A3681/21) - IAP JOHN F KENNEDY INTL, NEW YORK, NY.

RNAV (GPS) Y RWY 31R, AMDT 2C...

LNAV/VNAV DA 495/HAT 482 ALL CATS. VISIBILITY ALL CATS RVR 5000.

FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1

TEMPORARY CRANE 204FT MSL 1.00 NM SOUTHEAST OF RWY 31R

(2020-AEA-10569-OE). 05 APR 17:44 2021 UNTIL 16 AUG 17:44 2021 ESTIMATED. CREATED:

05 APR 17:45 2021

**FDC 1/4966** (A3680/21) - IAP JOHN F KENNEDY INTL, NEW YORK, NY.

RNAV (RNP) Z RWY 31R, AMDT 1B...

RNP 0.30 DA 505/HAT 492 ALL CATS.

FOR INOPERATIVE ALS, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 3/8

SM.

TEMPORARY CRANE 204FT MSL 1.00 NM SOUTHEAST OF RWY 31R

 $(2020\text{-AEA-}10569\text{-OE}).\ 05\ \text{APR}\ 17\text{:}44\ 2021\ \text{UNTIL}\ 16\ \text{AUG}\ 17\text{:}44\ 2021\ \text{ESTIMATED}.\ \text{CREATED}:$ 

05 APR 17:45 2021

ESTIMATED. CREATED: 05 APR 17:45 2021 FDC 1/2207 (A3498/21) - IAP JOHN F KENNEDY INTL, NEW YORK, NY. ILS OR LOC RWY 22L, AMDT 26... ILS OR LOC RWY 22R, AMDT 4... ILS OR LOC RWY 31L, AMDT 11B... ILS OR LOC RWY 31R, AMDT 16B... ILS OR LOC RWY 4L, AMDT 11D... ILS OR LOC RWY 4R, AMDT 30B... RNAV (GPS) RWY 22R, AMDT 1G... RNAV (GPS) X RWY 22L, ORIG... RNAV (GPS) Y RWY 22L, AMDT 1F... RNAV (GPS) Y RWY 31L, AMDT 2B... RNAV (GPS) Y RWY 31R, AMDT 2C... RNAV (GPS) Y RWY 4L, AMDT 3B... RNAV (GPS) Y RWY 4R, AMDT 2B... VOR RWY 22L, AMDT 4F...

FDC 1/2206 (A3497/21) - IAP JOHN F KENNEDY INTL, NEW YORK, NY.

**FDC 1/4964** (A3678/21) - ODP JOHN F KENNEDY INTL, NEW YORK, NY. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 9... TAKEOFF MINIMUMS: RWY 13L, 300-1 OR STANDARD WITH MINIMUM CLIMB OF

ALL OTHER DATA REMAINS AS PUBLISHED. 05 APR 17:44 2021 UNTIL 16 AUG 17:44 2021

TEMPORARY CRANE 204FT MSL 1.69 NM EAST OF JFK AIRPORT

ILS OR LOC RWY 13L, AMDT 18C...

CIRCLING MDA CATS C/D 700/HAA 687. VISIBILITY CAT C 2, CAT D 2 1/4.

UXHUB FIX MINIMUMS: CIRCLING MDA CATS C/D 700/HAA 687. VISIBILITY

2021 UNTIL 30 MAR 13:58 2023 ESTIMATED. CREATED: 30 MAR 13:59 2021

CAT C 2, CAT D 2 1/4. 30 MAR 13:58 2021 UNTIL 30 MAR 13:58 2023 ESTIMATED. CREATED:  $\frac{1}{2}$ 

CIRCLING MDA CATS C/D 700/HAA 687. VISIBILITY CAT C 2, CAT D 2 1/4. 30 MAR 13:58

30 MAR 13:59 2021

VOR RWY 31L, ORIG-A... VOR RWY 4L, AMDT 1B... VOR RWY 4R, ORIG-B...

310 FT PER NM TO 300.

(2020-AEA-10569-OE).

**FDC 1/9068** (A3344/21) - IAP JOHN F KENNEDY INTL, NEW YORK, NY.

ILS OR LOC RWY 4L, AMDT 11D...

AUTOPILOT COUPLED APPROACHES NA BELOW 200FT MSL. 24 MAR 13:40 2021 UNTIL 24

MAR 13:40 2023 ESTIMATED. CREATED: 24 MAR 13:41 2021

FDC 1/8822 (A3333/21) - SID JOHN F KENNEDY INTL, New York, NY.

KENNEDY FIVE DEPARTURE...

NOTE: COATE DEPARTURES NA EXCEPT FOR AIRCRAFT EQUIPPED WITH

SUITABLE RNAV SYSTEM WITH GPS,

SAX VOR OUT OF SERVICE. 23 MAR 20:46 2021 UNTIL 24 SEP 20:46 2021 ESTIMATED.

CREATED: 23 MAR 20:46 2021

FDC 1/2497 (A0184/21) - VFP JOHN F KENNEDY INTL, NEW YORK, NY.

BELMONT VISUAL RWY 22L, ORIG...

PROCEDURE NA EXCEPT FOR AIRCRAFT EQUIPPED WITH SUITABLE RNAV SYSTEM

WITH GPS, CRI R-068 UNUSABLE. 09 JAN 04:01 2021 UNTIL 09 JAN 04:00 2023 ESTIMATED.

CREATED: 09 JAN 04:01 2021

FDC 9/5926 (A5928/19) - SPECIAL JOHN F KENNEDY INTL, NEW YORK, NY.

SPECIAL RNAV VISUAL RWY 13L, AMDT 2...

SPECIAL RNAV VISUAL RWY 13R, AMDT 2...

PROCEDURE NA. 22 AUG 11:00 2019 UNTIL 22 AUG 11:00 2021. CREATED: 22 AUG 11:17

2019

#### WMKK NOTAMS



aadityarengarajan

2021/06/22 01:44

#### **KAC343**

**W1871/21** - AERODROME [US DOD E-IPL ONLY] ILS X OR LOC X RWY 15 NOT AUTHORIZED. 21 JUN 17:55 2021 UNTIL 15 JUL 00:01 2021. CREATED: 21 JUN 17:55

**W1870/21** - AERODROME [US DOD E-IPL ONLY] RNAV (GNSS) RWY 32R NOT AUTHORIZED. 21 JUN 17:51 2021 UNTIL 15 JUL 00:01 2021. CREATED: 21 JUN 17:52 2021

**W1869/21** - AERODROME [US DOD E-IPL ONLY] SID RNAV RWY 15 NOT AUTHORIZED. 21 JUN 17:51 2021 UNTIL 15 JUL 00:01 2021. CREATED: 21 JUN 17:51 2021

**W1868/21** - AERODROME [US DOD E-IPL ONLY] RNAV (GNSS) RWY 33 NOT AUTHORIZED. 21 JUN 17:49 2021 UNTIL 15 JUL 00:01 2021. CREATED: 21 JUN 17:49 2021

**W1867/21** - AERODROME [US DOD E-IPL ONLY] STAR RNAV1 (GNSS RWY) 14R/15 NOT AUTHORIZED. 21 JUN 17:48 2021 UNTIL 15 JUL 00:01 2021. CREATED: 21 JUN 17:48 2021

**W1866/21** - AERODROME [US DOD E-IPL ONLY] ILS X OR LOC X RWY 33 NOT AUTHORIZED. 21 JUN 17:47 2021 UNTIL 15 JUL 00:01 2021. CREATED: 21 JUN 17:47 2021

**W1865/21** - AERODROME [US DOD E-IPL ONLY] ILS Z OR LOC Z RWY 14R NOT AUTHORIZED. 21 JUN 17:46 2021 UNTIL 15 JUL 00:01 2021. CREATED: 21 JUN 17:46 2021

**W1864/21** - AERODROME [US DOD E-IPL ONLY] RNAV (GNSS) RWY 15 NOT AUTHORIZED. 21 JUN 17:45 2021 UNTIL 15 JUL 00:01 2021. CREATED: 21 JUN 17:45 2021

**W1863/21** - AERODROME [US DOD E-IPL ONLY] STAR RNAV1 (GNSS)RWY 32L/32R (BOBIS 1P, KIDOT 1P) NOT AUTHORIZED. 21 JUN 17:32 2021 UNTIL 15 JUL 00:01 2021. CREATED: 21 JUN 17:32 2021

**W1862/21** - AERODROME [US DOD E-IPL ONLY] SID RWY 32L (AGOSA 1D, BATAR 1D, DUMOK 1D, ISTAN 1D, KIMAT 1D, MITOS 1D, PIBOS 1D, RUMID 1D) NOT AUTHORIZED. 21 JUN 17:31 2021 UNTIL 15 JUL 00:01 2021. CREATED: 21 JUN 17:31 2021

**W1861/21** - AERODROME [US DOD E-IPL ONLY] RNAV Z (GNSS) RWY 32L NOT AUTHORIZED. 21 JUN 17:30 2021 UNTIL 15 JUL 00:01 2021. CREATED: 21 JUN 17:30 2021

 $\mathbf{W1860/21}$ - AERODROME [US DOD E-IPL ONLY] RNAV Y (GNSS) RWY 32L NOT AUTHORIZED. 21 JUN 17:29 2021 UNTIL 15 JUL 00:01 2021. CREATED: 21 JUN 17:29 2021

**W1859/21** - AERODROME [US DOD E-IPL ONLY] ILS Z OR LOC Z RWY 32L NOT AUTHORIZED. 21 JUN 17:28 2021 UNTIL 15 JUL 00:01 2021. CREATED: 21 JUN 17:28 2021

**W1858/21** - AERODROME [US DOD E-IPL ONLY] RNAV Y (GNSS) RWY 14R NOT AUTHORIZED. 21 JUN 17:27 2021 UNTIL 15 JUL 00:01 2021. CREATED: 21 JUN 17:27 2021

**W1857/21** - AERODROME [US DOD E-IPL ONLY] STAR RNAV1 (GNSS) RWY 14L/14R NOT AUTHORIZED. 21 JUN 17:27 2021 UNTIL 15 JUL 00:01 2021. CREATED: 21 JUN 17:27 2021

**W1856/21** - AERODROME [US DOD E-IPL ONLY] RNAV (GNSS) Z RWY 14R NOT AUTHORIZED. 21 JUN 17:25 2021 UNTIL 15 JUL 00:01 2021. CREATED: 21 JUN 17:25 2021

**W1855/21** - AERODROME [US DOD E-IPL ONLY] RNAV (GNSS) RWY 14L NOT AUTHORIZED. 21 JUN 17:23 2021 UNTIL 15 JUL 00:01 2021. CREATED: 21 JUN 17:23 2021

**W1853/21** - AERODROME [US DOD E-IPL ONLY] STAR RNAV1 (GNSS) RWY 32L/33 (EKUDA 1B, NOBEK 1B, SALAX 1B) NOT AUTHORIZED. 21 JUN 17:19 2021 UNTIL 15 JUL 00:01 2021. CREATED: 21 JUN 17:19 2021

**W1852/21** - AERODROME [US DOD E-IPL ONLY] SID RWY 32R (AGOSA 1C, BATAR 1C, DUMOK 1C, ISTAN 1C, KIMAT 1C, MITOS 1C, PIBOS 1C, RUMID 1C) NOT AUTHORIZED. 21 JUN 16:54 2021 UNTIL 15 JUL 00:01 2021. CREATED: 21 JUN 16:54 2021

**W1851/21** - AERODROME [US DOD E-IPL ONLY] VOR RWY 32R NOT AUTHORIZED. 21 JUN 16:38 2021 UNTIL 15 JUL 00:01 2021. CREATED: 21 JUN 16:38 2021

**W1850/21** - AERODROME [US DOD E-IPL ONLY] VOR RWY 14L NOT AUTHORIZED. 21 JUN 16:35 2021 UNTIL 15 JUL 00:01 2021. CREATED: 21 JUN 16:35 2021

**W1849/21** - AERODROME [US DOD E-IPL ONLY] STAR RNAV1 (GNSS) RWY 32L/32R (KIDOT 1D, PONOX 1B, SALAX 1D) NOT AUTHORIZED. 21 JUN 16:29 2021 UNTIL 15 JUL 00:01 2021. CREATED: 21 JUN 16:29 2021

**A2166/21** - INT C2 AND P2 CLSD. 22 JUN 02:00 2021 UNTIL 22 JUN 10:00 2021. CREATED: 21 JUN 10:41 2021

**A2165/21** - PORTION OF TXL U2 BTN TWY Q AND ACFT STAND J15 CLSD. 22 JUN 02:00 2021 UNTIL 22 JUN 05:00 2021. CREATED: 21 JUN 10:34 2021

**A2157/21** - PORTION OF TWY U5 ABM ACFT STAND P10 CLSD. 21 JUN 02:00 2021 UNTIL 22 JUN 09:00 2021. CREATED: 20 JUN 10:15 2021

A2146/21 - REF TO AIP SUP 20/2021 WEF 17 JUNE 2021, REVISED OF INSTR FLT PROC

FOR RWY 14L,14R,15,32R,32L AND 33. AMD COORD AS FOLLOW:

KK841 TO READ AS 021608.56N 1021828.28E

KK842 TO READ AS 021106.20N 1021521.67E

KK843 TO READ AS 020726.21N 1021043.51E

KK844 TO READ AS 020535.16N 1020507.28E

KK845 TO READ AS 020546.50N 1015913.53E

AMD AFFECTED PAGES ACCORDINGLY:

APPENDIX C-3.1, APPENDIX C-3.2, APPENDIX C-3.3 AND APPENDIX C-3.4

NOTAM SERIES A. 18 JUN 08:55 2021 UNTIL PERM. CREATED: 18 JUN 08:57 2021

A2145/21 - REF TO AIP SUP 20/2021 WEF 17 JUNE 2021, REVISED OF INSTR FLT PROC

FOR RWY 14L,14R,15,32R,32L AND 33.AMD AS FOLLOW:

APPENDIX B-6 FROM WPT KK712 TO IDUMI 156 DEG TO READ AS 160 DEG

APPENDIX C-2.3 SPEED LIMIT (KT) FOT WPT KK886 TO INSERT AT 230KT

APPENDIX C-4 WPT SADGI SPEED LIMIT (KT) TO INSERT AT 230 KIAS. 18 JUN 08:40  $\,$ 

2021 UNTIL PERM. CREATED: 18 JUN 08:53 2021

A2144/21 - FOLLOWING PROC ARE WITHDRAWN REF AIP MALAYSIA AD2-WMKK-8-45,

AD2-WMKK-8-46, AD2-WMKK-8-47, AD2-WMKK-8-48. 18 JUN 08:20 2021 UNTIL PERM.

CREATED: 18 JUN 08:52 2021

A2130/21 - FOLLOWING PROC ARE SUSPENDED - AD 2-WMKK-7-1, AD 2-WMKK-7-2,

 $AD\ 2\text{-}WMKK\text{-}7\text{-}3\text{, }AD\ 2\text{-}WMKK\text{-}7\text{-}4\text{, }AD\ 2\text{-}WMKK\text{-}7\text{-}13\text{, }AD\ 2\text{-}WMKK\text{-}7\text{-}14\text{, }}$ 

AD 2-WMKK-8-15, AD 2-WMKK-8-16, AD 2-WMKK-8-39, AD 2-WMKK-8-40. 17 JUN 18:00

2021 UNTIL 08 SEP 23:59 2021. CREATED: 16 JUN 11:19 2021

A2128/21 - PORTION OF TWY U5 FM ACFT STAND P06 TILL P08 CLSD. 17 JUN 02:00 2021 UNTIL 01 JUL 02:00 2021. CREATED: 16 JUN 10:06 2021

A2116/21 - RCF WMKK AIP MALAYSIA PAGE ENR 1.6-5 PARA 1.6.2.6.1

KL INTERNATIONAL/SEPANG.AMD ITEMS AS FLW:

C] MNTN THE LAST ASSIGNED ALT OR FL AND PROCEED VIA AWYS,

THEREAFTER THE APPROPRIATE STAR (PUGER 1G, KAKAK 1G, SAROX 1G

NIREN 1G, GUPTA 1G, SALAX 1G ) FOR RWY 32R TO EGURI HLDG AREA

(EHA) (RIGHT TURN, INBD TR 224DEG)

D] COMMENCE DESCEND OVER EGURI HLDG AREA (EHA), AT OR AS CLOSE AS

POSSIBLE TO THE ETA INDICATED IN FPL

G]II) IN IMC, AT MAPT RWY 32R CARRY OUT MISSED APPROACH, PROCEED

ON TRACK 326DEG, CMB AND MNTN 7000FT.AT 4DME VKL OR ON PSG 4000FT,

TURN RIGHT TO KK895. CARRY OUT ILS APCH/GNSS APCH FOR RWY 14L.

H]II) IN IMC, AT MAPT RWY 32R CARRY OUT MISSED APPROACH, PROCEED

ON TR 326 DEG, CMB AND MNTN 7000FT.AT 4DME VKL OR ON PSG 4000FT,

TURN RIGHT TO KK893. CARRY OUT ILS APCH/GNSS APCH FOR RWY 32L.

REST NC. 17 JUN 18:00 2021 UNTIL PERM. CREATED: 16 JUN 04:29 2021

A2114/21 - STAR RNAV (GNSS) RWY 14L,14R,15 WMKK-AIP SUP 20/2021 REGARDING REVISED OF INSTR FLT PROC FOR RWY 14L,14R,15,32R,32L AND 33

DATED 08 JUNE 2021.COORD WPT AMD AS FLW:

KK719 READ AS 024037.14N 1020739.56E

KK845 READ AS 020546.50N 1015913.53E

KK876 READ AS 022414.16N 1012755.96E

DAKBA READ AS 032708.65N 1012541.53E

AMD WPT COORD ACCORDINGLY. 17 JUN 18:00 2021 UNTIL PERM. CREATED: 16 JUN

03:04 2021

**A2112/21** - STAR RNAV(GNSS) RWY14L,14R,15 WMKK-AIP SUP 20/2021 REGARDING

REVISED

OF INSTR FLT PROC FOR RWY14L, 14R, 15, 32R, 32L AND 33 DATED 08

JUNE 2021 APPENDIX C-4. AMD WPT RIKMI ALT TO READ AS 10000FT OR

ABOVE.

REST NC. 17 JUN 18:00 2021 UNTIL PERM. CREATED: 16 JUN 02:41 2021

A2100/21 - TWY EDGE LGT U5 AND U6 U/S. 15 JUN 22:00 2021 UNTIL 30 JUN 22:00 2021. CREATED:

15 JUN 14:35 2021

**A2099/21** - STOPBAR AND LEAD IN LGT INT Y1 TIL Y9 U/S. 15 JUN 22:00 2021 UNTIL 30 JUN 22:00

2021. CREATED: 15 JUN 14:33 2021

A2098/21 - TWY Y CL LGT FM INT Y1 TIL Y4 U/S. 15 JUN 22:00 2021 UNTIL 30 JUN 22:00 2021.

CREATED: 15 JUN 14:28 2021

A2097/21 - TWY EDGE LGT P, Q AND INT P1 TIL P4 U/S. 15 JUN 22:00 2021 UNTIL 30 JUN 22:00

2021. CREATED: 15 JUN 14:22 2021

A2096/21 - TWY CL LGT U3, U4, AND U9 ON ALTN. 15 JUN 22:00 2021 UNTIL 30 JUN 22:00 2021.

CREATED: 15 JUN 14:09 2021

**A2095/21** - STOPBAR P1 TIL P4 U/S. 15 JUN 22:00 2021 UNTIL 30 JUN 22:00 2021. CREATED: 15

JUN 13:09 2021

 ${f A2071/21}$  - LEAD IN LGT FM INT C1 TIL INT C11 WITHDRAWN FOR MAINT. 13 JUN 16:04 2021 UNTIL

01 AUG 22:00 2021. CREATED: 13 JUN 16:06 2021

A2070/21 - STOPBAR LGT FM INT C1 TIL INT C11 WITHDRAWN FOR MAINT. 13 JUN 16:02 2021 UNTIL

01 AUG 22:00 2021. CREATED: 13 JUN 16:03 2021

A2065/21 - PILOT WHO IS UNA TO FLY RNP 1 STAR SHALL NOTIFY LUMPUR ATC ON FST

CTC AND MAY EXP RADAR VECTORS. 17 JUN 18:00 2021 UNTIL 16 SEP 18:00 2021.

CREATED: 13 JUN 06:46 2021

A2012/21 - TRIGGER NOTAM - PERM AIRAC AIP SUP 20/2021 WEF 17 JUNE 2021,

REVISED OF INSTRUMENT FLIGHT PROCEDURES FOR

RUNWAY 14L, 14R, 15, 32R, 32L AND 33. 17 JUN 18:00 2021 UNTIL 01 JUL 23:59

2021. CREATED: 08 JUN 08:34 2021

A2001/21 - TRIGGER NOTAM - PERM AIRAC AIP SUP 21/2021 WEF 17 JUNE 2021,

ESTABLISHMENT OF NEW AIRWAYS CLEARANCE DELIVERY (ACD)

FREQUENCY IN KLIA. 17 JUN 18:00 2021 UNTIL 01 JUL 23:59 2021. CREATED: 07

JUN 12:42 2021

A1957/21 - CNL AIP SUP 16/2021 DATED 08 APR 2021 REGARDING ESTABLISHMENT

OF NEW AIRWAYS CLEARANCE DELIVERY (ACD) FREQ IN KLIA AT

KUALA LUMPUR INTERNATIONAL AIRPORT.

NEW AIP SUP WILL BE ISSUED WITH THE NEW EFF DATE. 02 JUN 02:31 2021 UNTIL

PERM. CREATED: 02 JUN 03:06 2021

A1948/21 - CNL AIP SUP 03/2021 DATED 08 APR 2021 REGARDING REVISED OF

INSTR FLT PROC FOR RWY 14L, 14R, 15, 32R, 32L AND 33

AT KUALA LUMPUR INTERNATIONAL AIRPORT.

NEW AIP SUP WILL BE ISSUED WITH THE NEW EFF DATE. 02 JUN 01:43 2021 UNTIL

PERM. CREATED: 02 JUN 02:27 2021

**A1931/21** - RWY 14R/32L CLSD. JUNE 1 9 15 22 29 0000-1100, 01 JUN 00:00 2021 UNTIL 29 JUN

11:00 2021. CREATED: 31 MAY 10:24 2021

A1929/21 - RWY 15/33 CLSD. MAY 31, JUNE 1 8 9 14 15 21 22 28 29 1100-2200, 31 MAY 11:00 2021

UNTIL 29 JUN 22:00 2021. CREATED: 31 MAY 10:20 2021

A1913/21 - TWY U4 FM ACFT STAND Q15 TIL Q17 CLSD. 31 MAY 02:00 2021 UNTIL 30 JUN 09:00 2021.

CREATED: 30 MAY 15:04 2021

A1887/21 - SID RWY 14L WMKK AIP PAGE AD2-WMKK-6-3 AMD PIBOS DIST FM VKL

DVOR/DME TO READ AS 41.9 DME.

REST NC. 28 MAY 08:06 2021 UNTIL PERM. CREATED: 28 MAY 08:16 2021

A1860/21 - RWY 14L/32R CLSD. 0000-2359 31 MAY 6-8 13-14 20-21 27-28 JUNE, 31 MAY 00:00 2021 UNTIL 28 JUN 23:59 2021. CREATED: 27 MAY 23:22 2021

A1858/21 - RWY 15/33 CLSD. 0000-2359 0N 2-6 10-13 16-20 23-27 AND 30, 02 JUN 00:00 2021 UNTIL 30 JUN 23:59 2021. CREATED: 27 MAY 23:06 2021

A1815/21 - TWY M BTN INT E2 AND E3 CLSD

RMK: INT E2 AND E3 AVBL FOR ACFT TAX. 25 MAY 08:00 2021 UNTIL 31 JUL 09:00 2021. CREATED: 24 MAY 14:41 2021

**A1716/21** - ACFT STAND F5 IS AVBL FOR ACFT TYPE B748. 17 MAY 10:34 2021 UNTIL PERM. CREATED: 17 MAY 10:36 2021

A1708/21 - PAPI RIGHT HAND SIDE RWY 32L U/S. 15 MAY 15:35 2021 UNTIL 29 JUN 22:00 2021. CREATED: 15 MAY 15:38 2021

**A1614/21** - REF TO AIP MALAYSIA AD2-WMKK-1-29 PARA 2.22.7-VIS COND IS TEMPO SUSPENDED. 01 MAY 02:00 2021 UNTIL 31 JUL 23:59 2021. CREATED: 01 MAY 02:28 2021

**A1613/21** - CTL TOWER WEST OBST LGT U/S. 01 MAY 02:00 2021 UNTIL 31 JUL 23:59 2021. CREATED: 01 MAY 02:18 2021

 $\overline{A1608/21}$  - APCH LGT AND RWY LGT RWY 14L/32R AND RWY 14R/32L DOWNGRADE TO CAT 1. 30 APR 22:00 2021 UNTIL 31 JUL 22:00 2021. CREATED: 30 APR 12:41 2021

A1185/21 - TWY B BTN INT B14 TIL INT N2 CLSD.

RMK:INT N1 AND N2 NOT AVBL FOR ACFT TAX. 31 MAR 08:14 2021 UNTIL 30 JUN 23:59 2021. CREATED: 31 MAR 08:15 2021

aadityarengarajan

2021/06/22 01:44



# KAC343

LOADSHEET				=========	:=======
ALL WEIGHTS IN PO	UNDS	0001			
DATABASE MAR/01 A	AIRAC 2106/ AII	RBUS A321			
FROM/TO FLIGH KJFK/WMKK 4033 TC 6 (EAST)	•				
	BAG -24742	1 B-132/37 Y-139/178			
TOTAL TRAFFIC LOADRY OPERATING WE ZERO FUEL WEIGHT	D -29653 IGHT 107000 ACTUAL 0773				
TAKE OFF FUEL TAKE OFF WEIGHT A TRIP FUEL LANDING WEIGHT A	ACTUAL 20852 123605				
	+LAST N		•		
		   	'		
UNDERLOAD BEFOR	+ E LMC -252	•	TAL + -		
SI BLOCK TIME 20:2 Estimated fuel requir	ement exceeds		city		

### FLIGHT ROUTE

aadityarengarajan

2021/06/22 01:44



#### KAC343

#### **ROUTE**

KJFK ATHOS J37 ALB J570 MT RR23 YFM AR13 VP J561 YFY AR17 YJI 6900N06300W 7000N06200W 7200N06000W TOMAS 7400N05800W 7500N05700W 7700N05400W 7900N05000W 8000N04700W 8200N03900W 8300N03200W 8300N03100W 8300N03000W 8300N02900W 8300N02800W 8300N02700W 8300N02600W 8300N02500W 8300N02400W 8300N02300W 8300N02200W 8300N02100W 8300N01000W 8300N01800W 8300N01700W 8300N01500W 8300N01400W 8300N01300W 8300N01200W 8300N01100W 8300N01000W 8300N0900W 8300N0200W 8300N0500W 8300N0500W 8300N0400W 8300N0300W 8300N0200W 8300N0100W 8300N0100E 8300N0100E 8300N0200E 8300N0400E 8300N0500E 8300N0500E 8300N0700E 8300N0500E 8300N0500E 8300N01900E 8300N0200W 8300N0200W 8300N02100E 8300N0200E 8300N0200E 8300N0200E 8300N0200E 8300N0200E 8300N0200E 8300N02100E 8300N0200E 8300N0200E 8300N0200E 8300N0200E 8300N0200E 8300N03100E 8300N0200E 8300N0200E 8300N0200E 8300N0300E 8300N03100E 8300N0300E 8300N03

Basic altitude profile: - Ascent Rate: 2500ft/min - Ascent Speed: 250kts - Cruise Altitude: 38000ft - Cruise Speed: 420kts - Descent Rate: 1500ft/min - Descent Speed: 250kts Options: - Use NATs: yes - Use PACOTS: yes - Use low airways: yes - Use high airways: yes

ID	Type	Via	Altitude (ft/m)	Position (lat/lon)	Dist (leg/tot)	Name
O KJFK	APT	-	0 / 0	40.64010 / -73.77650	- / 0 nm	John F. Kennedy Intl
<ul> <li>ATHOS</li> </ul>	FIX	-	34,400 / 10,485	42.24710 / -73.81210	96 / 96 nm	
• ALB	VOR	J37 (AWY-HI)	38,000 / 11,582	42.74730 / -73.80320	30 / 126 nm	ALBANY
<ul> <li>NIPPY</li> </ul>	FIX	J570 (AWY-HI)	38,000 / 11,582	43.68970 / -73.96850	57 / 183 nm	
<ul> <li>BUGSY</li> </ul>	FIX	J570 (AWY-HI)	38,000 / 11,582	44.72270 / -74.14140	62 / 246 nm	
<ul> <li>KELVI</li> </ul>	FIX	J570 (AWY-HI)	38,000 / 11,582	45.04060 / -74.21500	19 / 265 nm	
• YMX	VOR	J570 (AWY-HI)	38,000 / 11,582	45.88820 / -74.37570	51 / 316 nm	MIRABEL (MONTREAL)
<ul> <li>OBRET</li> </ul>	FIX	J570 (AWY-HI)	38,000 / 11,582	47.00000 / -74.40810	66 / 383 nm	
• MT	NDB	J570 (AWY-HI)	38,000 / 11,582	49.79960 / -74.49550	168 / 551 nm	CHIBOO (CHIBOUGAMAU)
• YFM	NDB	RR23 (AWY-LO)	38,000 / 11,582	53.71130 / -73.70300	236 / 788 nm	LA GRANDE-4
• VP	NDB	AR13 (AWY-LO)	38,000 / 11,582	58.05610 / -68.48640	314 / 1102 nm	KUJACK (KUUJJUAQ)
<ul> <li>AMASS</li> </ul>	FIX	J561 (AWY-HI)	38,000 / 11,582	61.03820 / -68.51600	179 / 1282 nm	L
• YFY	NDB	J561 (AWY-HI)	38,000 / 11,582	63.73340 / -68.54790	161 / 1443 nm	FROBAY (IQALUIT)
• YXP	NDB	AR17 (AWY-LO)	38,000 / 11,582	66.14390 / -65.70620	161 / 1605 nm	PANGNIRTUNG
• YJI	NDB	AR17 (AWY-LO)	38,000 / 11,582	67.56210 / -64.01840	94 / 1699 nm	BROUGHTON
• 6900N06300W	LATLON	-	38,000 / 11,582	69.00000 / -63.00000	89 / 1788 nm	
• 7000N06200W	LATLON	T -	38,000 / 11,582	70.00000 / -62.00000	63 / 1852 nm	
• 7200N06000W	LATLON	Ī <b>-</b>	38,000 / 11,582	72.00000 / -60.00000	126 / 1978 nm	L
<ul> <li>TOMAS</li> </ul>	FIX	-	38,000 / 11,582	73.73330 / -58.58330	107 / 2085 nm	L
• 7400N05800W	LATLON	Ī <b>-</b>	38,000 / 11,582	74.00000 / -58.00000	18 / 2104 nm	
• 7500N05700W	LATLON	Ī <b>-</b>	38,000 / 11,582	75.00000 / -57.00000	62 / 2166 nm	
• 7700N05400W	LATLON	-	38,000 / 11,582	77.00000 / -54.00000	127 / 2294 nm	L
• 7900N05000W	LATLON	-	38,000 / 11,582	79.00000 / -50.00000	130 / 2424 nm	L
• 8000N04700W	LATLON	-	38,000 / 11,582	80.00000 / -47.00000	68 / 2493 nm	
• 8200N03900W	LATLON	-	38,000 / 11,582	82.00000 / -39.00000	141 / 2634 nm	L
• 8300N03200W	LATLON	-	38,000 / 11,582	83.00000 / -32.00000	81 / 2715 nm	
• 8300N03100W	LATLON	-	38,000 / 11,582	83.00000 / -31.00000	7 / 2723 nm	
• 8300N03000W	LATLON	· -	38,000 / 11,582	83.00000 / -30.00000	7 / 2730 nm	
• 8300N02900W	LATLON	· -	38,000 / 11,582	83.00000 / -29.00000	7 / 2737 nm	
• 8300N02800W	LATLON	ſ <b>-</b>	38,000 / 11,582	83.00000 / -28.00000	7 / 2744 nm	

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    8300N02700W LATLON -

                                       38,000 / 11,582 83.00000 / -27.00000 7 / 2752 nm
                                       38,000 / 11,582 83.00000 / -26.00000 7 / 2759 nm
• 8300N02600W LATLON -
• 8300N02500W LATLON -
                                       38,000 / 11,582 83.00000 / -25.00000 7 / 2766 nm
                                       38,000 / 11,582 83.00000 / -24.00000 7 / 2774 nm
• 8300N02400W LATLON -
• 8300N02300W LATLON -
                                       38,000 / 11,582 83.00000 / -23.00000 7 / 2781 nm
• 8300N02200W LATLON -
                                       38,000 / 11,582 83.00000 / -22.00000 7 / 2788 nm

    8300N02100W LATLON -

                                       38,000 / 11,582 83.00000 / -21.00000 7 / 2796 nm
• 8300N02000W LATLON -
                                       38,000 / 11,582 83.00000 / -20.00000 7 / 2803 nm
• 8300N01900W LATLON -
                                       38,000 / 11,582 83.00000 / -19.00000 7 / 2810 nm
• 8300N01800W LATLON -
                                       38,000 / 11,582 83.00000 / -18.00000 7 / 2818 nm
• 8300N01700W LATLON -
                                       38,000 / 11,582 83.00000 / -17.00000 7 / 2825 nm
                                       38,000 / 11,582 83.00000 / -16.00000 7 / 2832 nm
• 8300N01600W LATLON -
• 8300N01500W LATLON -
                                       38,000 / 11,582 83.00000 / -15.00000 7 / 2840 nm
• 8300N01400W LATLON -
                                       38,000 / 11,582 83.00000 / -14.00000 7 / 2847 nm
                                       38,000 / 11,582 83.00000 / -13.00000 7 / 2854 nm

    8300N01300W LATLON -

    8300N01200W LATLON -

                                       38,000 / 11,582 83.00000 / -12.00000 7 / 2862 nm
• 8300N01100W LATLON -
                                       38,000 / 11,582 83.00000 / -11.00000 7 / 2869 nm
• 8300N01000W LATLON -
                                       38,000 / 11,582 83.00000 / -10.00000 7 / 2876 nm
• 8300N0900W LATLON -
                                       38,000 / 11,582 83.00000 / -9.00000 7 / 2884 nm
• 8300N0800W LATLON -
                                       38,000 / 11,582 83.00000 / -8.00000 7 / 2891 nm
• 8300N0700W LATLON -
                                       38,000 / 11,582 83.00000 / -7.00000
                                                                          7 / 2898 nm
• 8300N0600W LATLON -
                                       38,000 / 11,582 83.00000 / -6.00000
                                                                          7 / 2906 nm
                                       38,000 / 11,582 83.00000 / -5.00000
• 8300N0500W LATLON -
                                                                          7 / 2913 nm
• 8300N0400W LATLON -
                                       38,000 / 11,582 83.00000 / -4.00000
                                                                          7 / 2920 nm
• 8300N0300W LATLON -
                                       38,000 / 11,582 83.00000 / -3.00000
                                                                          7 / 2927 nm
• 8300N0200W LATLON -
                                       38,000 / 11,582 83.00000 / -2.00000
                                                                          7 / 2935 nm
• 8300N0100W LATLON -
                                       38,000 / 11,582 83.00000 / -1.00000
                                                                          7 / 2942 nm
• 8300N0000E LATLON -
                                       38,000 / 11,582 83.00000 / 0.00000
                                                                          7 / 2949 nm

    8300N0100E LATLON -

                                       38,000 / 11,582 83.00000 / 1.00000
                                                                          7 / 2957 nm
• 8300N0200E LATLON -
                                       38,000 / 11,582 83.00000 / 2.00000
                                                                           7 / 2964 nm
• 8300N0300E LATLON -
                                       38,000 / 11,582 83.00000 / 3.00000
                                                                          7 / 2971 nm
• 8300N0400E LATLON -
                                       38,000 / 11,582 83.00000 / 4.00000
                                                                          7 / 2979 nm

    8300N0500E LATLON -

                                       38,000 / 11,582 83.00000 / 5.00000
                                                                          7 / 2986 nm

    8300N0600E LATLON -

                                       38,000 / 11,582 83.00000 / 6.00000
                                                                           7 / 2993 nm
• 8300N0700E LATLON -
                                       38,000 / 11,582 83.00000 / 7.00000
                                                                           7 / 3001 nm
• 8300N0800E LATLON -
                                       38,000 / 11,582 83.00000 / 8.00000
                                                                           7 / 3008 nm
• 8300N0900E LATLON -
                                       38,000 / 11,582 83.00000 / 9.00000
                                                                          7 / 3015 nm
• 8300N01000E LATLON -
                                       38,000 / 11,582 83.00000 / 10.00000 7 / 3023 nm
• 8300N01100E LATLON -
                                       38,000 / 11,582 83.00000 / 11.00000 7 / 3030 nm
• 8300N01200E LATLON -
                                       38,000 / 11,582 83.00000 / 12.00000 7 / 3037 nm
• 8300N01300E LATLON -
                                       38,000 / 11,582 83.00000 / 13.00000 7 / 3045 nm
• 8300N01600E LATLON -
                                       38,000 / 11,582 83.00000 / 16.00000 21 / 3067 nm
                                       38,000 / 11,582 83.00000 / 17.00000 7 / 3074 nm
• 8300N01700E LATLON -
                                       38,000 / 11,582 83.00000 / 18.00000 7 / 3081 nm
• 8300N01800E LATLON -
• 8300N01900E LATLON -
                                       38,000 / 11,582 83.00000 / 19.00000 7 / 3088 nm
• 8300N02000E LATLON -
                                       38,000 / 11,582 83.00000 / 20.00000 7 / 3096 nm
• 8300N02100E LATLON -
                                       38,000 / 11,582 83.00000 / 21.00000 7 / 3103 nm
                                       38,000 / 11,582 83.00000 / 22.00000 7 / 3110 nm

    8300N02200E LATLON -

    8300N02300E LATLON -

                                       38,000 / 11,582 83.00000 / 23.00000 7 / 3118 nm
• 8300N02400E LATLON -
                                       38,000 / 11,582 83.00000 / 24.00000 7 / 3125 nm
• 8300N02500E LATLON -
                                       38,000 / 11,582 83.00000 / 25.00000 7 / 3132 nm
• 8300N02600E LATLON -
                                       38,000 / 11,582 83.00000 / 26.00000 7 / 3140 nm
• 8300N02700E LATLON -
                                       38,000 / 11,582 83.00000 / 27.00000 7 / 3147 nm
• 8300N02800E LATLON -
                                       38,000 / 11,582 83.00000 / 28.00000 7 / 3154 nm
• 8300N02900E LATLON -
                                       38,000 / 11,582 83.00000 / 29.00000 7 / 3162 nm
• 8300N03000E LATLON -
                                       38,000 / 11,582 83.00000 / 30.00000 7 / 3169 nm
• 8300N03100E LATLON -
                                       38,000 / 11,582 83.00000 / 31.00000 7 / 3176 nm
                                       38,000 / 11,582 83.00000 / 32.00000 7 / 3184 nm
• RITAK
               FIX

    KENEL

               FIX
                        B828 (AWY-HI) 38,000 / 11,582 81.31030 / 49.71970 176 / 3360 nm
               FIX

    ARKOL

                        B828 (AWY-HI) 38,000 / 11,582 80.95940 / 51.99310 29 / 3389 nm
• ANODI
               FIX
                        B828 (AWY-HI) 38,000 / 11,582 77.50080 / 65.99640 259 / 3648 nm
                                       38,000 / 11,582 76.95080 / 68.51330 46 / 3695 nm

    MELAM

               FIX
                        R705 (AWY-HI) 38,000 / 11,582 74.99080 / 76.17610 161 / 3857 nm

    TINEM

               FIX

    DOSON

               FIX
                        R705 (AWY-HI) 38,000 / 11,582 73.51750 / 80.38000 111 / 3969 nm

    KOMBI

               FIX
                        G489 (AWY-HI) 38,000 / 11,582 72.08420 / 82.73190 95 / 4065 nm

    NABAR

               FIX
                        G489 (AWY-HI) 38,000 / 11,582 71.56920 / 83.49360 34 / 4099 nm
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    BI

                NDB
                        G489 (AWY-HI) 38,000 / 11,582 69.40890 / 86.21690 140 / 4240 nm DUDINKA

    OMADA

                FIX
                        G489 (AWY-HI) 38,000 / 11,582 67.88500 / 86.54580 91 / 4332 nm
                        G489 (AWY-HI) 38,000 / 11,582 67.43580 / 86.63750 27 / 4359 nm IGARKA VOR-DME

    IGR

                DME
                VOR
                                        38,000 / 11,582 67.43050 / 86.63620 0 / 4359 nm

    IGR

                FIX
                        G489 (AWY-HI) 38,000 / 11,582 66.98920 / 87.00580 27 / 4387 nm

    LAPTI

    BIBIR

                FIX
                        G489 (AWY-HI) 38,000 / 11,582 66.22920 / 87.60970 47 / 4435 nm

    THN

                VOR
                        G489 (AWY-HI) 38,000 / 11,582 65.80030 / 87.93530 26 / 4462 nm TURUKHANSK
• THN
                DME
                                        38,000 / 11,582 65.79470 / 87.93810 0 / 4462 nm
                                                                                         TURUKHANSK VOR-DME
                FIX
                        G490 (AWY-HI) 38,000 / 11,582 65.36330 / 88.17440 26 / 4488 nm

    MIPRI

    NOGLO

                FIX
                        G490 (AWY-HI) 38,000 / 11,582 65.02920 / 88.35250 20 / 4509 nm

    LONZA

                FIX
                        G490 (AWY-HI) 38,000 / 11,582 63.10390 / 89.32780 118 / 4627 nm
• IRGUS
                FIX
                        G490 (AWY-HI) 38,000 / 11,582 62.03310 / 89.82190 65 / 4693 nm
                VOR
                        G490 (AWY-HI) 38,000 / 11,582 61.59890 / 90.01330 26 / 4720 nm PODKAMENNAYA TUNGUSKA

    PTG

                        A228 (AWY-HI) 38,000 / 11,582 61.14390 / 90.07640 27 / 4747 nm

    DERID

                FIX

    KOLAB

                FIX
                        A228 (AWY-HI) 38,000 / 11,582 60.52360 / 90.16030 37 / 4785 nm

    WD

                NDB
                        A228 (AWY-HI) 38,000 / 11,582 60.25530 / 90.19560 16 / 4801 nm YARTSEVO

    NANIS

                FIX
                        B247 (AWY-HI) 38,000 / 11,582 59.99140 / 90.30360 16 / 4817 nm
                        B247 (AWY-HI) 38,000 / 11,582 58.52560 / 90.87440 89 / 4907 nm

    KESOP

                FIX

    SURIP

                FIX
                        B247 (AWY-HI) 38,000 / 11,582 56.96720 / 91.41640 95 / 5002 nm

    GIRUM

                FIX
                        A818 (AWY-HI) 38,000 / 11,582 56.47720 / 91.45970 29 / 5031 nm

    ROGMA

                FIX
                        A818 (AWY-HI) 38,000 / 11,582 55.41720 / 91.54970 63 / 5095 nm
• LILKA
                FIX
                        A818 (AWY-HI) 38,000 / 11,582 54.90560 / 91.82140 32 / 5127 nm

    MIKET

                FIX
                        A818 (AWY-HI) 38,000 / 11,582 54.43390 / 92.06640 29 / 5157 nm
                        G808 (AWY-HI) 38,000 / 11,582 50.49000 / 91.43000 237 / 5395 nm

    NIGOR

                FIX
                        B330 (AWY-HI) 38,000 / 11,582 49.07140 / 93.72970 123 / 5518 nm

    ALTAN

                FIX

    URGAM

                FIX
                        B330 (AWY-HI) 38,000 / 11,582 48.57330 / 94.49220 42 / 5561 nm

    BUREN

                FIX
                        H82 (AWY-HI)
                                        38,000 / 11,582 47.78690 / 95.15530 54 / 5615 nm
                VOR
                                        38,000 / 11,582 46.37840 / 96.21570 95 / 5710 nm TAISHIR

    VGA

                        H82 (AWY-HI)

    4500N09600E LATLON -

                                        38,000 / 11,582 45.00000 / 96.00000 83 / 5793 nm
                                        38,000 / 11,582 43.00000 / 96.00000 120 / 5913 nm
• 4300N09600E LATLON -

    LIKMI

                FIX
                                        38,000 / 11,582 42.38830 / 95.76670 38 / 5951 nm
                        W188 (AWY-HI) 38,000 / 11,582 41.87170 / 96.24170 37 / 5989 nm

    GOVSA

                FIX
• 4000N09700E LATLON -
                                        38,000 / 11,582 40.00000 / 97.00000 117 / 6106 nm

    BILDA

                FIX
                                        38,000 / 11,582 39.75330 / 97.54330 29 / 6136 nm
                FIX
                        W619 (AWY-HI) 38,000 / 11,582 39.23000 / 97.62670 31 / 6167 nm

    OMGUP

                        W619 (AWY-HI) 38,000 / 11,582 38.94000 / 97.67000 17 / 6185 nm

    MULRU

                FIX
• 3800N09800E LATLON -
                                        38,000 / 11,582 38.00000 / 98.00000 58 / 6243 nm

    MEPEP

                FIX
                                        38,000 / 11,582 36.15170 / 97.63330 112 / 6356 nm
• LUVAR
                FIX
                        Y2 (AWY-HI)
                                        38,000 / 11,582 32.60170 / 99.00000 223 / 6579 nm
• SANLI
                FIX
                        L888 (AWY-HI) 38,000 / 11,582 32.00000 / 100.00000 62 / 6642 nm

    PEXUN

                FIX
                        L888 (AWY-HI) 38,000 / 11,582 30.92830 / 100.00000 64 / 6706 nm
                        L888 (AWY-HI) 38,000 / 11,582 27.94830 / 100.00000 178 / 6885 nm

    LEVBA

                FIX
                FIX
                        L888 (AWY-HI) 38,000 / 11,582 26.00000 / 100.00000 117 / 7002 nm

    NIVUX

    UPGED

                FIX
                        L888 (AWY-HI) 38,000 / 11,582 25.13830 / 100.25700 53 / 7056 nm
• DONEN
                FIX
                        L888 (AWY-HI) 38,000 / 11,582 25.04500 / 100.28300 5 / 7061 nm
                FIX
                        L888 (AWY-HI) 38,000 / 11,582 24.12170 / 100.55700 57 / 7119 nm

    MAKUL

                        L888 (AWY-HI) 38,000 / 11,582 22.71830 / 100.96500 87 / 7206 nm

    BIDRU

                FIX
                        A581 (AWY-HI) 38,000 / 11,582 22.04830 / 101.25500 43 / 7249 nm

    NOKET

                FIX

    SAGAG

                FIX
                        A581 (AWY-HI) 38,000 / 11,582 21.19170 / 101.62300 55 / 7305 nm
• LPB
                VOR
                        B218 (AWY-HI) 38,000 / 11,582 19.91100 / 102.17200 82 / 7388 nm LUANG PHABANG

    LPB

                DME
                                        B346 (AWY-HI) 38,000 / 11,582 17.73740 / 101.51400 134 / 7524 nm

    YAKUA

                FIX
• PCB
                VOR
                        B346 (AWY-HI) 38,000 / 11,582 16.67600 / 101.19700 66 / 7590 nm PHETCHABUN

    NOBER

                FIX
                        B346 (AWY-HI) 38,000 / 11,582 15.27660 / 100.66800 89 / 7679 nm
• BKK
                VOR
                        B346 (AWY-HI) 38,000 / 11,582 13.89360 / 100.59600 83 / 7762 nm BANGKOK
                FIX
                        M757 (AWY-HI) 38,000 / 11,582 13.08060 / 100.67800 49 / 7812 nm

    KASNI

    NULBO

                FIX
                        M757 (AWY-HI) 38,000 / 11,582 10.48870 / 100.61200 155 / 7967 nm

    MABKO

                FIX
                        M757 (AWY-HI) 38,000 / 11,582 9.80249 / 100.59500 41 / 8008 nm

    VALSI

                FIX
                        M757 (AWY-HI) 38,000 / 11,582 9.51900 / 100.58800 17 / 8025 nm

    ROBDA

                FIX
                        M757 (AWY-HI) 38,000 / 11,582 9.43282 / 100.58600 5 / 8031 nm
                FIX
                        M757 (AWY-HI) 38,000 / 11,582 8.89892 / 100.57400 32 / 8063 nm

    LOSDA

    OBLEX

                FIX
                        M757 (AWY-HI) 38,000 / 11,582 7.49653 / 100.54100 84 / 8147 nm
                        M757 (AWY-HI) 38,000 / 11,582 6.49440 / 100.52200 60 / 8207 nm

    KARMI

                FIX
                        A464 (AWY-HI) 24,800 / 7,559 4.57361 / 101.09400 120 / 8327 nm IPOH

    VIH

                VOR

    DAKUS

                FIX
                        A464 (AWY-HI) 14,500 / 4,420 3.80390 / 101.31700 48 / 8376 nm
                                                       2.73834 \, / \, 101.70200 \quad 68 \, / \, 8444 \, \, nm \quad Kuala \, Lumpur \, Intl
O WMKK
                APT
                                        0 / 0
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## **AVAILABLE RUNWAYS**

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## KAC343

## DEPARTURE AIRPORT

ID	Width	Length	Bearing (true/mag)	Surface	Threshold		Markings	Lighting
04L	200 ft / 61 m	12,091 ft / 3,685 m	30.67° / 43.56°	CONCRETE	459 ft / 140 m	200 ft / 61 m	PREC-APP	CENTERLINE EDGE THRESHOLD REIL-OMNI
04R	200 ft / 61 m	8,407 ft / 2,562 m	30.67° / 43.56°	ASPHALT	0 ft / 0 m	440 ft / 134 m	PREC-APP	CENTERLINE EDGE THRESHOLD ALSF-II TDZ REIL-OMNI
13L	151 ft / 46 m	10,010 ft / 3,051 m	120.85° / 133.75°	CONCRETE	912 ft / 278 m	387 ft / 118 m	PREC-APP	CENTERLINE EDGE THRESHOLD ALSF-II TDZ REIL-OMNI
13R	200 ft / 61 m	14,526 ft / 4,428 m	120.83° / 133.73°	CONCRETE	2,057 ft / 627 m	390 ft / 119 m	PREC-APP	CENTERLINE EDGE THRESHOLD RAIL REIL-OMNI
22L	200 ft / 61 m	8,407 ft / 2,562 m	210.68° / 223.57°	ASPHALT	0 ft / 0 m	505 ft / 154 m	PREC-APP	CENTERLINE EDGE THRESHOLD ALSF-II TDZ REIL-OMNI
22R	200 ft / 61 m	12,091 ft / 3,685 m	210.68° / 223.58°	CONCRETE	3,425 ft / 1,044 m	407 ft / 124 m	PREC-APP	CENTERLINE EDGE THRESHOLD REIL-OMNI
31L	200 ft / 61 m	14,526 ft / 4,428 m	300.86° / 313.76°	CONCRETE	3,271 ft / 997 m	495 ft / 151 m	PREC-APP	CENTERLINE EDGE THRESHOLD REIL-OMNI
31R	151 ft / 46 m	10,010 ft / 3,051 m	300.87° / 313.77°	CONCRETE	1,037 ft / 316 m	177 ft / 54 m	PREC-APP	CENTERLINE EDGE THRESHOLD MALSR TDZ REIL-OMNI

### FREQUENCIES AT AIRPORT

Approach 134.35 MHz New York Approach
Departure 134.35 MHz New York Departure
Departure 135.90 MHz New York Departure
Approach 128.12 MHz New York Approach
Approach 118.40 MHz New York Approach
Departure 123.70 MHz New York Approach
Unicom 122.95 MHz Unicom
Recorded 115.40 MHz D-ATIS
Clearance 135.05 MHz Clearance Delivery

## ARRIVAL AIRPORT

ID	Width	Length	Bearing (true/mag)	Surface Threshold	Overrun	Markings	Lighting
14L	197 ft / 60 m	13,248 ft / 4,038 m	146.20° / 146.17°		384 ft / 117 m	PREC-APP	CENTERLINE EDGE THRESHOLD ALSF-II TDZ REIL-OMNI
14R	197 ft / 60 m	13,185 ft / 4,019 m	146.21° / 146.18°	ASPHALT 0 ft / 0 m			CENTERLINE EDGE THRESHOLD ALSF-II TDZ REIL-OMNI
15	197 ft / 60 m	13,034 ft / 3,973 m	146.21° / 146.18°	ASPHALT 0 ft / 0 m	390 ft / 119 m	PREC-APP	CENTERLINE EDGE THRESHOLD ALSF-I
32L	197 ft / 60 m	13,185 ft / 4,019 m	326.21° / 326.18°	ASPHALI UIL/UIII	390 ft / 119 m	PREC-APP	CENTERLINE EDGE THRESHOLD ALSF-II TDZ REIL-OMNI
32R	197 ft / 60 m	13,248 ft / 4,038 m	326.20° / 326.17°	ASPHALT 0 ft / 0 m			CENTERLINE EDGE THRESHOLD ALSF-II TDZ REIL-OMNI
33	197 ft / 60 m	13,034 ft / 3,973 m	326.21° / 326.18°	ASPHALT 0 ft / 0 m	394 ft / 120 m	PREC-APP	CENTERLINE EDGE THRESHOLD ALSF-I

## FREQUENCIES AT AIRPORT

Approach 124.20 MHz Lumpur Radar
Approach 121.25 MHz Lumpur Radar
Ground 121.72 MHz Lumpur Ground
Approach 120.35 MHz Lumpur Radar
Ground 122.85 MHz Lumpur Ground
Tower 119.80 MHz Lumpur Tower
Departure 135.25 MHz Lumpur Departure
Ground 122.27 MHz Lumpur Ground
Ground 118.05 MHz Lumpur Ground
Recorded 128.05 MHz Lumpur Ground
Ground 121.65 MHz Lumpur Ground
Tower 118.80 MHz Lumpur Ground
Tower 118.80 MHz Lumpur Ground
Ground 123.25 MHz Lumpur Ground
Ground 123.25 MHz Lumpur Ground

#### APPROACH NAVAIDS

Runway	Type	Ident	Frequency	Range	Bearing	(true/mag)	Slope	Elevation
14L	DME	IEL	108.50 MHz 18	nm / 33 km	-		-	59 ft / 18 m (AMSL)
14L	GS	IEL	108.50 MHz 10	nm / 19 km	146.20°/	146.17°	3.00°	68 ft / 21 m (AMSL)
14L	LOC-ILS	IEL	108.50 MHz 18	nm / 33 km	146.20°/	146.17°	-	68 ft / 21 m (AMSL)
14R	GS	IWR	110.70 MHz 10	nm / 19 km	146.21°/	146.18°	3.00°	68 ft / 21 m (AMSL)
14R	DME	IWR	110.70 MHz 18	nm / 33 km	-		-	78 ft / 24 m (AMSL)
14R	LOC-ILS	IWR	110.70 MHz 18	nm / 33 km	146.21°/	146.18°	-	68 ft / 21 m (AMSL)
15	GS	IWK	110.10 MHz 10	nm / 19 km	146.21°/	146.18°	3.00°	68 ft / 21 m (AMSL)
15	DME	IWK	110.10 MHz 18	nm / 33 km	-		-	-1 ft / -0 m (AMSL)
15	LOC-ILS	IWK	110.10 MHz 18	nm / 33 km	146.21°/	146.18°	-	68 ft / 21 m (AMSL)
32L	LOC-ILS	IWL	111.90 MHz 18	nm / 33 km	326.21°/	326.18°	-	68 ft / 21 m (AMSL)
32L	GS	IWL	111.90 MHz 10	nm / 19 km	326.21°/	326.18°	3.00°	68 ft / 21 m (AMSL)
32L	DME	IWL	111.90 MHz 18	nm / 33 km	-		-	81 ft / 25 m (AMSL)
32R	DME	IER	109.10 MHz 18	nm / 33 km	-		-	70 ft / 21 m (AMSL)
32R	LOC-ILS	IER	109.10 MHz 18	nm / 33 km	326.20°/	326.17°	-	68 ft / 21 m (AMSL)
32R	GS	IER	$109.10\;\mathrm{MHz}10$	nm / 19 km	326.20°/	326.17°	3.00°	68 ft / 21 m (AMSL)
33	DME	IWM	111.50 MHz 18	nm / 33 km	-		-	-1 ft / -0 m (AMSL)
33	LOC-ILS	IWM	111.50 MHz 18	nm / 33 km	326.21°/	326.18°	-	68 ft / 21 m (AMSL)
33	GS	IWM	111.50 MHz 10	nm / 19 km	326.21°/	326.18°	3.00°	68 ft / 21 m (AMSL)

# MAPS

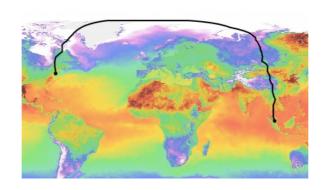
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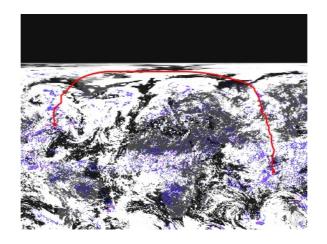


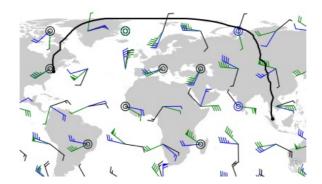
# KAC343

## THERMOGRAPHIC



# CLOUD COVERAGE







I HEREWITH CONFIRM THAT I HAVE PERFORMED A THOROUGH SELF BRIEFING ABOUT THE DESTINATION AND ALTERNATE AIRPORTS OF THIS FLIGHT INCLUDING THE APPLICABLE INSTRUMENT APPROACH PROCEDURES, AIRPORT FACILITIES, NOTAMS AND ALL OTHER RELEVANT PARTICULAR INFORMATION.

DISPATCHER: AADITYA RENGARAJAN PIC NAME: AADITYARENGARAJAN

TEL: +1 800 555 0199 PIC SIGNATURE: .....