

COMP.BY+TIME: Borek S. / 16-11-2018 / 21:01:47Z

*fPL - letouy  
pldw  
kwa  
zwaia  
na RIP*

FLT : TVS4635 PLN PAX : 173 PLN CARGO: 0 Kg DATE: 17.11.2018  
AC/REG : B738 /OKTVW PERF COEF: 1.2 CREW: 2/4 WX VALIDITY: 11171355  
AC CONF: 189Y PANTRY : COT

CAPT : ..... F/O: ..... CTOT INFO: ..... TOTAL PERS: .....

ADEP : MARSALA INTL HEMA/RMF 13:55Z  
ADES : COLOGNE/BONN EDDK/CGN 19:20Z  
ALTN1: DUSSELDORF EDDL/DUS  
ALTN2: /  
ERA : PRAGUE/RUZYNE LKER/PRG

ERNEP.ERNEP1V.RW14L

*ACTL F/W  
CG  
22.9%*

ADEP ALTN: ..... ADEP STAND: .....

VERT. PROF: HEMA/FL360/DEMAB/FL240/

*L06 FOB*

*ACTL  
FT  
F/O*

| TRIP      | TIME  | FUEL  | GND DIST     | AIR DIST    | WCOMP | WDIR    | ISA DEV   | DOW/DOI     |
|-----------|-------|-------|--------------|-------------|-------|---------|-----------|-------------|
| TRIP      | 5:03  | 12844 | 2108         | 2135        | -3    | 272/021 | -1        | 43754       |
| ALTN EDDL | 0:31  | 1388  | 139          | <u>1+2</u>  |       |         |           | 47.66       |
| FIN. RES. | 0:30  | 1109  | FMS RES      | <u>2497</u> |       |         |           |             |
| CONT.3%   | 0:09  | 385   |              |             |       |         |           |             |
| ADD.FUEL  | 0:00  | 0     | CRUISE CI 13 |             | MZFW  | 62731   | ZFW 59236 | 5910 = 2547 |
| TAXI      | /     | 120   |              |             |       |         | FOB 15727 | 16200 16080 |
| MIN.FUEL  | 6:13  | 15847 |              |             | MTOW  | 79015   | TOW 74963 | 75186       |
| COMP EXT  | 0:00  | 0     | <<<<         |             |       |         | TF 12844  |             |
| FUEL SUM  | 6:13  | 15847 |              |             | MLAW  | 66360   | LAW 62118 |             |
| CAPT EXT  | ..... |       |              |             |       |         |           |             |
| TOT.FUEL  | ..... |       |              |             |       |         |           |             |

*FU = 13279  
14:35 TAKEOFF 1645  
19:55 LANDING 19:47*

*REM = 2815*

ADEP DEF BLOCK ..... TAKEOFF .....  
ADES IN BLOCK ..... LANDING .....  
BLOCK TIME ..... FLT TIME ..... FUEL REM .....

FL PLANNING NOTICE:

TNKRG INFO: LOSS 725\$/TON ADEP:LowFuel PNLTY: \*NIL\* / ADES:Blw 0.8t PNLTY:33\$

TRIP FUEL MODIFICATIONS: *1254* STAT. FUEL CONSUMPTION: FUEL INFO ADEP:  
ZFW +/- 1000KG 129 Kg *TF* NO. OF FLTS : TOTAL-SL1 /1310\$  
TRIP FUEL FOR +2000FT 12902 Kg 95% STAT : FUEL INFO ADES:  
TRIP FUEL FOR -2000FT 12887 Kg 99% STAT : AFS-SL2 /750\$  
REMARK :

ADEP ATIS: .....

RTE: HEMA MAK DCT HGD V603 GIDID DCT KAPIT UL677 CVO A16 RASDA UA16  
KOSEG UL995 RDS UL609 MES UG18 GIKAS UN133 EVIVI L863 OKANA  
DCT TONDO DCT TEKNO DCT BEGLA DCT DITIS M174 NEPUX T170  
RAPET T843 DEMAB/N0378F240 T842 EBANA T841 ERNEP

ATC CLRN: .....

RWY: ..... F: ..... DER: ..... ASS.TMP= ..... N1= ..... V1= ..... VR= ..... V2= .....

RWY: ..... F: ..... DER: ..... ASS.TMP= ..... N1= ..... V1= ..... VR= ..... V2= .....

ENG-OUT PROC: .....

ALTIMETERS: ALTITUDE CAPT ..... STBY ..... F/O .....  
FL ..... CAPT ..... STBY ..... F/O .....

ETOPS CROSSFEED CHECK: PRE-DEPARTURE: TIME ..... STATUS .....  
 (ETOPS FLIGHTS ONLY) LAST HOUR OF CRUISE FLIGHT: TIME ..... STATUS .....

| AWY<br>G.MORA<br>FIR | COORD<br>N25:33.5<br>E034:35.0 | WPT<br>HEMA<br>251ft | /NAME<br>MARSA ALAM<br>..... | TM<br>INTLTGO<br>5:03 | MT<br>MH<br>324 | DIST<br>DTGO<br>2108 | W/<br>V     | TAS<br>GS  | FL<br>+ISA | FOB<br>15727<br>aFOB | FU<br>aFU | FOB<br>15180 |
|----------------------|--------------------------------|----------------------|------------------------------|-----------------------|-----------------|----------------------|-------------|------------|------------|----------------------|-----------|--------------|
| DCT<br>58<br>HECC    | N25:35.0<br>E034:34.0          | MAK<br>115.50        | MARSA ALAM<br>.....          | 2<br>5:01             | 326<br>324      | 12<br>2096           | 234/<br>014 | 370<br>371 | CLB<br>9   | 282                  | 15565     | 15180        |
| DCT<br>89<br>HECC    | N27:10.7<br>E033:47.8          | HGD<br>116.50        | HURGHADA<br>.....            | 17<br>4:44            | 333<br>331      | 104<br>1992          | 234/<br>014 | 370<br>371 | CLB<br>9   | 1681                 | 14166     | 13781        |
| V603<br>107          | N28:05.1<br>E033:39.3          | -TOC-<br>.....       | .....                        | 9<br>4:35             | 348<br>337      | 55<br>1937           | 281/<br>090 | 449<br>412 | 360<br>2   | 2421                 | 13426     | 13041        |
| V603<br>107<br>HECC  | N28:13.0<br>E033:38.1          | GIDID<br>.....       | GIDID<br>.....               | 1<br>4:34             | 348<br>339      | 8<br>1929            | 276/<br>071 | 449<br>412 | 360<br>2   | 2471                 | 13375     | 12990        |
| DCT<br>107<br>HECC   | N29:17.0<br>E032:36.1          | KAPIT<br>.....       | KAPIT<br>.....               | 13<br>4:21            | 316<br>309      | 84<br>1845           | 276/<br>071 | 449<br>395 | 360<br>2   | 3021                 | 12826     | 12441        |
| UL677<br>52<br>HECC  | N29:47.0<br>E031:52.1          | MENLI<br>.....       | MENLI<br>.....               | 7<br>4:14             | 304<br>300      | 49<br>1796           | 274/<br>058 | 446<br>397 | 360<br>0   | 3336                 | 12510     | 12125        |
| UL677<br>39<br>HECC  | N30:05.5<br>E031:32.3          | CVO<br>115.20        | CAIRO<br>.....               | 5<br>4:09             | 303<br>209      | 31<br>1755           | 277/<br>062 | 446<br>391 | 360<br>0   | 3539                 | 12308     | 11923        |
| A16<br>24<br>HECC    | N31:14.5<br>E031:10.6          | DEGDI<br>.....       | DEGDI<br>.....               | 10<br>3:59            | 347<br>339      | 69<br>1696           | 271/<br>063 | 445<br>430 | 360<br>-1  | 3945                 | 11902     | 11517        |
| A16<br>19<br>HECC    | N31:31.7<br>E031:07.3          | BLT<br>116.90        | BALTIM<br>.....              | 3<br>3:56             | 346<br>338      | 18<br>1678           | 271/<br>063 | 445<br>430 | 360<br>-1  | 4050                 | 11796     | 11411        |
| A16<br>19<br>HECC    | N32:02.0<br>E031:04.1          | MELDO<br>.....       | MELDO<br>.....               | 4<br>3:52             | 352<br>344      | 30<br>1648           | 271/<br>063 | 445<br>434 | 360<br>-1  | 4225                 | 11622     | 11237        |
| A16<br>11<br>HECC    | N33:06.0<br>E030:57.0          | RASDA<br>.....       | FIR RASDA<br>.....           | 9<br>3:43             | 350<br>341      | 65<br>1583           | 266/<br>066 | 444<br>438 | 360<br>-2  | 4596                 | 11251     | 10866        |
| UA16<br>11<br>LCCC   | N33:24.0<br>E030:57.0          | EVORA<br>.....       | EVORA<br>.....               | 2<br>3:41             | 355<br>347      | 18<br>1565           | 264/<br>066 | 444<br>446 | 360<br>-2  | 4697                 | 11150     | 10765        |
| UA16<br>11<br>LCCC   | N34:08.6<br>E030:54.4          | KOSEC<br>.....       | KOSEC<br>.....               | 6<br>3:35             | 352<br>344      | 44<br>1521           | 264/<br>066 | 444<br>443 | 360<br>-2  | 4944                 | 10903     | 10517        |
| UL995<br>11<br>LCCC  | N34:52.2<br>E030:00.0          | AGAPI<br>.....       | FIR AGAPI<br>.....           | 9<br>3:26             | 309<br>302      | 63<br>1458           | 262/<br>065 | 443<br>400 | 360<br>-2  | 5334                 | 10512     | 10127        |

*author optional*  
*FOR + ZFW = 61*  
*up*

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*(Handwritten scribble)*

| AWY<br>G.MORA<br>FIR | COORD                 | WPT<br>FREQ   | /NAME<br>CT | AT   | TM<br>TTGO | MT<br>MH      | DIST<br>DTGO    | W/<br>V    | TAS<br>GS  | FL<br>+ISA | FU<br>aFU | FOB<br>mFOB<br>aFOB |
|----------------------|-----------------------|---------------|-------------|------|------------|---------------|-----------------|------------|------------|------------|-----------|---------------------|
| UL995<br>11<br>LGGG  | N34:58.3<br>E029:52.2 | AMONO         | AMONO       | .... | 3:25       | 1 309<br>302  | 9 259/<br>1449  | 443<br>064 | 443<br>403 | 360<br>-2  | 5390      | 10457<br>10072      |
| UL995<br>11<br>LGGG  | N35:53.1<br>E028:41.2 | OBUPO         | OBUPO       | .... | 3:13       | 12 309<br>302 | 79 259/<br>1370 | 443<br>064 | 443<br>403 | 360<br>-2  | 5872      | 9975<br>9589        |
| UL995<br>58<br>LGGG  | N36:05.2<br>E028:25.2 | IRBAX         | IRBAX       | .... | 3:10       | 3 308<br>301  | 18 259/<br>1352 | 443<br>062 | 443<br>404 | 360<br>-2  | 5982      | 9865<br>9480        |
| UL995<br>58<br>LGGG  | N36:20.4<br>E028:04.9 | RDS<br>115.80 | RODOS       | .... | 3:07       | 3 308<br>301  | 22 259/<br>1330 | 443<br>062 | 443<br>404 | 360<br>-2  | 6115      | 9732<br>9346        |
| UL609<br>76<br>LTBB  | N37:23.9<br>E026:50.3 | LARKI         | LARKI       | .... | 2:54       | 13 312<br>305 | 87 259/<br>1243 | 443<br>062 | 443<br>407 | 360<br>-2  | 6636      | 9211<br>8825        |
| UL609<br>58<br>LGGG  | N37:41.1<br>E026:31.7 | URNIL         | URNIL       | .... | 2:51       | 3 314<br>307  | 23 261/<br>1220 | 442<br>062 | 442<br>406 | 360<br>-3  | 6774      | 9073<br>8688        |
| UL609<br>58<br>LGGG  | N37:52.0<br>E026:19.9 | IKARO         | IKARO       | .... | 2:49       | 2 314<br>307  | 14 256/<br>1206 | 442<br>060 | 442<br>412 | 360<br>-3  | 6856      | 8991<br>8605        |
| UL609<br>58<br>LGGG  | N38:03.7<br>E026:07.0 | PIPEN         | PIPEN       | .... | 2:47       | 2 314<br>307  | 16 256/<br>1190 | 442<br>060 | 442<br>412 | 360<br>-3  | 6950      | 8897<br>8512        |
| UL609<br>53<br>LGGG  | N38:15.1<br>E025:54.3 | MES<br>117.60 | MESTA       | .... | 2:45       | 2 314<br>307  | 15 254/<br>1175 | 442<br>061 | 442<br>413 | 360<br>-3  | 7038      | 8809<br>8424        |
| UG18<br>45<br>LGGG   | N38:22.4<br>E025:47.3 | NEMIS         | NEMIS       | .... | 2:44       | 1 319<br>311  | 9 254/<br>1166  | 442<br>061 | 442<br>416 | 360<br>-3  | 7090      | 8757<br>8371        |
| UG18<br>45<br>LGGG   | N39:12.6<br>E024:57.5 | LUPIS         | LUPIS       | .... | 2:35       | 9 318<br>311  | 64 262/<br>1102 | 440<br>064 | 440<br>405 | 360<br>-5  | 7467      | 8380<br>7994        |
| UG18<br>29<br>LGGG   | N39:30.0<br>E024:40.0 | GIKAS         | GIKAS       | .... | 2:32       | 3 317<br>310  | 22 262/<br>1080 | 439<br>064 | 439<br>403 | 360<br>-5  | 7597      | 8249<br>7864        |
| UN133<br>87<br>LGGG  | N40:35.8<br>E023:58.1 | PEREN         | PEREN       | .... | 2:22       | 10 329<br>321 | 73 260/<br>1007 | 440<br>064 | 440<br>418 | 360<br>-4  | 8013      | 7834<br>7449        |
| UN133<br>115<br>LGGG | N41:24.2<br>E023:27.3 | EVIVI         | FIR EVIVI   | .... | 2:14       | 8 330<br>322  | 54 254/<br>953  | 442<br>060 | 442<br>429 | 360<br>-2  | 8313      | 7534<br>7149        |
| L863<br>116<br>LBSR  | N42:16.6<br>E022:52.7 | EDIKA         | EDIKA       | .... | 2:06       | 8 329<br>322  | 58 249/<br>895  | 443<br>056 | 443<br>435 | 360<br>-1  | 8631      | 7216<br>6831        |

| AWY<br>G.MORA<br>FIR | COORD                 | WPT<br>FREQ | /NAME<br>CT AT     | TM<br>TTGO | MT<br>MH   | DIST<br>DTGO | W/<br>V     | TAS<br>GS  | FL<br>+ISA | FU<br>aFU | FOB<br>mFOB<br>aFOB |
|----------------------|-----------------------|-------------|--------------------|------------|------------|--------------|-------------|------------|------------|-----------|---------------------|
| L863<br>94<br>LBSR   | N42:35.6<br>E022:39.9 | BAVGA       | BAVGA<br>.....     | 3<br>2:03  | 329<br>325 | 21<br>874    | 239/<br>032 | 444<br>446 | 360<br>0   | 8743      | 7104<br>6718        |
| L863<br>94<br>LBSR   | N42:50.8<br>E022:29.6 | OKANA       | FIR OKANA<br>..... | 2<br>2:01  | 328<br>324 | 17<br>857    | 239/<br>032 | 444<br>445 | 360<br>0   | 8834      | 7013<br>6627        |
| DCT<br>94<br>LYBA    | N46:02.8<br>E019:21.4 | TONDO       | FIR TONDO<br>..... | 31<br>1:30 | 321<br>320 | 235<br>622   | 168/<br>015 | 446<br>460 | 360<br>2   | 10042     | 5805<br>5420        |
| DCT<br>41<br>LHCC    | N47:37.4<br>E017:24.5 | TEKNO       | FIR TEKNO<br>..... | 16<br>1:14 | 316<br>321 | 123<br>499   | 082/<br>051 | 446<br>470 | 360<br>3   | 10657     | 5190<br>4804        |
| DCT<br>37<br>LHCC    | N47:49.8<br>E017:06.9 | BEGLA       | FIR BEGLA<br>..... | 2<br>1:12  | 312<br>317 | 18<br>481    | 082/<br>051 | 446<br>474 | 360<br>3   | 10746     | 5100<br>4715        |
| DCT<br>54<br>LOVV    | N48:53.9<br>E015:07.0 | DITIS       | FIR DITIS<br>..... | 13<br>0:59 | 306<br>313 | 102<br>379   | 075/<br>077 | 442<br>482 | 360<br>0   | 11236     | 4611<br>4225        |
| M174<br>58<br>LKAA   | N49:32.3<br>E013:36.6 | NEPUX       | NEPUX<br>.....     | 9<br>0:50  | 300<br>306 | 70<br>309    | 075/<br>077 | 441<br>488 | 360<br>0   | 11567     | 4280<br>3895        |
| T170<br>58<br>LKAA   | N50:10.6<br>E012:43.1 | SOPGA       | SOPGA<br>.....     | 7<br>0:43  | 314<br>322 | 52<br>257    | 071/<br>072 | 441<br>464 | 360<br>0   | 11824     | 4023<br>3637        |
| T170<br>54<br>LKAA   | N50:11.4<br>E012:20.3 | RAPET       | RAPET<br>.....     | 2<br>0:41  | 269<br>272 | 14<br>243    | 070/<br>074 | 441<br>508 | 360<br>0   | 11887     | 3959<br>3574        |
| T843<br>54<br>EDMM   | N50:14.9<br>E011:58.4 | URONA       | URONA<br>.....     | 2<br>0:39  | 280<br>284 | 15<br>228    | 070/<br>074 | 440<br>499 | 360<br>0   | 11956     | 3890<br>3505        |
| T843<br>50<br>EDMM   | N50:18.3<br>E011:36.2 | RONTU       | RONTU<br>.....     | 2<br>0:37  | 281<br>285 | 14<br>214    | 070/<br>074 | 440<br>499 | 360<br>0   | 12021     | 3826<br>3441        |
| T843<br>50<br>EDMM   | N50:21.6<br>E011:13.7 | LASGA       | LASGA<br>.....     | 2<br>0:35  | 280<br>284 | 15<br>199    | 070/<br>074 | 440<br>500 | 360<br>0   | 12039     | 3758<br>3372        |
| T843<br>50<br>EDMM   | N50:26.1<br>E010:42.7 | PILAM       | PILAM<br>.....     | 3<br>0:32  | 280<br>284 | 21<br>178    | 071/<br>072 | 440<br>499 | 360<br>0   | 12186     | 3661<br>3276        |
| T843<br>48<br>EDMM   | N50:28.2<br>E010:28.5 | VELIS       | VELIS<br>.....     | 1<br>0:31  | 280<br>284 | 9<br>169     | 071/<br>072 | 440<br>499 | 360<br>0   | 12227     | 3620<br>3235        |
| T843<br>48<br>EDUU   | N50:32.5<br>E009:57.3 | DEMAB       | DEMAB<br>.....     | 2<br>0:29  | 279<br>283 | 20<br>149    | 071/<br>072 | 440<br>500 | 360<br>0   | 12318     | 3529<br>3143        |

| AWY    | COORD     | WPT            | /NAME | TM   | MT  | DIST | W/   | TAS | FL   | FU    | FOB  |
|--------|-----------|----------------|-------|------|-----|------|------|-----|------|-------|------|
| G.MORA |           | FREQ           | CT    | TTGO | MH  | DTGO | V    | GS  | +ISA | aFU   | mFOB |
| FIR    |           |                | AT    |      |     |      |      |     |      |       | aFOB |
| T842   | N50:57.5  | GEVTA          | GEVTA | 4    | 335 | 27   | 072/ | 378 | 240  | 12484 | 3363 |
| 48     | E009:41.5 |                | ....  | 0:25 | 344 | 122  | 062  | 377 | 1    |       | 2978 |
| EDUU   |           |                |       |      |     |      |      |     |      |       |      |
| T842   | N50:59.2  | LAMOP          | LAMOP | 1    | 278 | 9    | 072/ | 377 | 240  | 12532 | 3315 |
| 48     | E009:28.0 |                | ....  | 0:24 | 282 | 113  | 062  | 430 | 1    |       | 2930 |
| EDUU   |           |                |       |      |     |      |      |     |      |       |      |
| T842   | N51:02.9  | EBANA          | EBANA | 3    | 278 | 19   | 072/ | 377 | 240  | 12634 | 3213 |
| 48     | E008:57.6 |                | ....  | 0:21 | 282 | 94   | 062  | 430 | 1    |       | 2828 |
| EDUU   |           |                |       |      |     |      |      |     |      |       |      |
| T841   | N51:01.8  | <del>TOD</del> |       | 1    | 257 | 6    | 072/ | 377 | 240  | 12666 | 3181 |
| 42     | E008:48.2 |                | ....  | 0:20 | 258 | 88   | 062  | 438 | 1    |       | 2796 |
|        |           |                |       |      |     |      |      |     |      |       |      |
| T841   | N51:01.0  | BATEB          | BATEB | 1    | 257 | 4    | 086/ | 202 | DSC  | 12679 | 3168 |
| 42     | E008:41.4 |                | ....  | 0:19 | 256 | 84   | 037  | 216 | 2    |       | 2782 |
| EDUU   |           |                |       |      |     |      |      |     |      |       |      |
| T841   | N50:58.3  | ERNEP          | ERNEP | 4    | 258 | 16   | 086/ | 202 | DSC  | 12733 | 3113 |
| 43     | E008:16.8 |                | ....  | 0:15 | 257 | 68   | 037  | 216 | 2    |       | 2728 |
| EDUU   |           |                |       |      |     |      |      |     |      |       |      |
| ERNEP1 | N50:52.0  | EDDK           |       | 15   | 260 | 68   | 086/ | 202 |      | 12964 | 2882 |
| 43     | E007:08.6 | 302ft          | ....  | 0:00 | 259 | 0    | 037  | 216 | 2    |       | 2497 |

ADES ATIS: .....

ROUTE TO ALTERNATE:

Alternate EDDL NVO T857 BIKMU

|      |           |       |              |   |     |   |      |     |     |       |      |
|------|-----------|-------|--------------|---|-----|---|------|-----|-----|-------|------|
| SID  | N50:49.9  | KBO28 | SID WAYPOINT | 1 | 131 | 3 | 088/ | 313 | CLB | 12994 | 2852 |
| 37   | E007:12.1 |       | ....         |   |     |   | 034  | 288 | 1   |       | 2467 |
| EDGG |           |       |              |   |     |   |      |     |     |       |      |
| SID  | N50:49.1  | C2000 | SID WAYPOINT | 0 | 135 | 1 | 088/ | 313 | CLB | 13004 | 2842 |
| 37   | E007:13.1 |       | ....         |   |     |   | 034  | 290 | 1   |       | 2457 |
| EDGG |           |       |              |   |     |   |      |     |     |       |      |
| SID  | N50:48.7  | TH106 | SID WAYPOINT | 0 | 121 | 1 | 088/ | 313 | CLB | 13014 | 2833 |
| 37   | E007:14.2 |       | ....         |   |     |   | 034  | 285 | 1   |       | 2447 |
| EDGG |           |       |              |   |     |   |      |     |     |       |      |
| SID  | N50:48.9  | TH61  | SID WAYPOINT | 0 | 078 | 1 | 088/ | 313 | CLB | 13024 | 2823 |
| 37   | E007:15.7 |       | ....         |   |     |   | 034  | 279 | 1   |       | 2437 |
| EDGG |           |       |              |   |     |   |      |     |     |       |      |
| SID  | N50:49.7  | TH16  | SID WAYPOINT | 1 | 038 | 1 | 088/ | 313 | CLB | 13034 | 2813 |
| 37   | E007:16.7 |       | ....         |   |     |   | 034  | 289 | 1   |       | 2427 |
| EDGG |           |       |              |   |     |   |      |     |     |       |      |