

# Flight Analysis Report

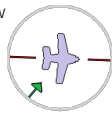


Aircraft	: Learjet 45	Airline	: KLM
Tail Number	: CJV	Flight Number	: 5611
Airport ICAO Departure	: LGIR	Airport ICAO Destination	: LGAV
Date and Time	: 13-02-2018 - 18:46	Distance Destination Airport	: 168 Nm. 311 Km.
FS Date and Time	: 31-12-2016 - 16:16	Cruise Altitude Flightplan	: 16.000 Ft. 4.877 M.
Loaded Flight	: 1		
Loaded Flightplan	: VFR Nikos Kazantzakis to Eleftherios Venizelos Intl		

## Departure

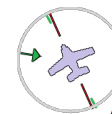
Taxi Out at	: 15 : 30
Wind at Runway	: 220° 5 Knt.
Flaps at Takeoff	: No flaps set
Takeoff Thrust Set at	: 15 : 32 : 51 Thrust : 83 %
Start Rolling at	: 15 : 33 : 03 Course : 92°
Airborn at	: 15 : 33 : 24 - 141 Knt. / 261 km.
Takeoff Weight	: 14.932 lbs. / 6.773 kg.
Takeoff Roll	: 737 M. / 2.418 Ft.
Landing Gear Up at	: 46 Ft. - 169 Knt.
Flaps Up at	: No flaps at takeoff
Autopilot On at	: .....
Auto Spd Hold On at	: .....

Wind at RW



## Climb, Cruise & Descent

Cruise Alt and Crs	: 16.000 Ft. - 337°
Avg. Wind at Cruise	: 279° / 20 Knt.
Avg. Course at Cruise	: 332° Hdg / 336° Crs
Climb Duration	: 9 Min.
Cruise Duration	: 12 Min.
Descent Duration	: 20 Min.
Avg. Gsp at Climb	: 270 knt. / 500 Km.
Avg. Gsp at Cruise	: 343 knt. / 635 Km.
Avg. Gsp at Descent	: 232 knt. / 430 Km.
Cruise Alt Reached at	: 15 : 42 - 131 Nm.
Start Descent at	: 15 : 54 - 63 Nm.
Leveling at	: 2.900 Ft. - 35 Nm.



Avg. wind at cruise

## Approach

Flaps1	: -
Flaps2	: -
Flaps3	: -
Flaps4	: -
Auto pilot off at	: ---
Auto Spd Hold Off at	: ---
Landing Gear down at	: 2.876 Ft. - 169 Knt.
At 10.000 Ft	: 236 Knt. Vs : -1772 Ft/m
At 5.000 Ft	: 235 Knt. Vs : -1801 Ft/m
At 2.500 Ft	: 163 Knt. Vs : -762 Ft/m
At 1.000 Ft	: 146 Knt. Vs : -773 Ft/m

Hdg :	Crs :	Wind :	Distance to TD :
030°	033°	064° 25 Knt.	9 Nm.
333°	339°	290° 10 Knt.	46 Nm.
274°	278°	304° 7 Knt.	35 Nm.
030°	032°	063° 25 Knt.	8 Nm.
039°	035°	073° 21 Knt.	3 Nm.

## Landing

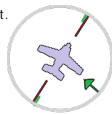
Flaps	: 0°
At 500 Ft	: 143 Knt. Vs : -454 Ft/m
At 300 Ft	: 141 Knt. Vs : -753 Ft/m
At 100 Ft	: 143 Knt. Vs : -910 Ft/m
At 50 Ft	: 143 Knt. Vs : -820 Ft/m
Idle at	: 39 Ft. - 142 Knt.
Landing Speed	: 136 Knt. - 138 Gs. - 256 Km.

Hdg :	Crs :	Wind :	Distance to TD :
032°	034°	100° 16 Knt.	1,56 Nm.
028°	032°	123° 11 Knt.	0,92 Nm.
030°	033°	131° 9 Knt.	0,39 Nm.
030°	033°	131° 9 Knt.	0,23 Nm.
030°	033°	131° 9 Knt.	0,23 Nm.
031°	033°	131° 9 Knt.	

## On The Runway

Vertical Speed at TD	: -216 Ft/m
G-force at TD	: 1,2 G
Pitch at TD	: 4,7°
Bank at TD	: 1,3°
Bouncing	: No
Landing Weight	: 14.310 lbs. / 6.491 kg.
Reverser Set at	: 127 Knt.
Reverser Cancelled at	: 73 Knt.
Spoilers Armed	: No
Spoilers Deployed at	: 132 Knt.
Flaps	: 0°
Toe Brakes at	: 0 Knt.
Landing Roll	: 1.504 M. / 4.933 Ft.
Flaps Up at	: no flaps at landing
Spoilers Retracted at	: 53 Seconds after Touchdown.
Taxi In at	: 16 : 15

Wind at 50 Ft.



## Fuel Consumption

Taxi Out	: 4 Gal.	i n :	3 Mi n.
Climb	: 38 Gal.	i n :	9 Mi n.
Cruise	: 30 Gal.	i n :	12 Mi n.
Descent	: 28 Gal.	i n :	20 Mi n.
Taxi In	: 1 Gal.	i n :	2 Mi n.
TOTAL	: 101 Gal.	i n :	46 Mi n.
Remaining	: 212 Gal.	and	97 Mi n.

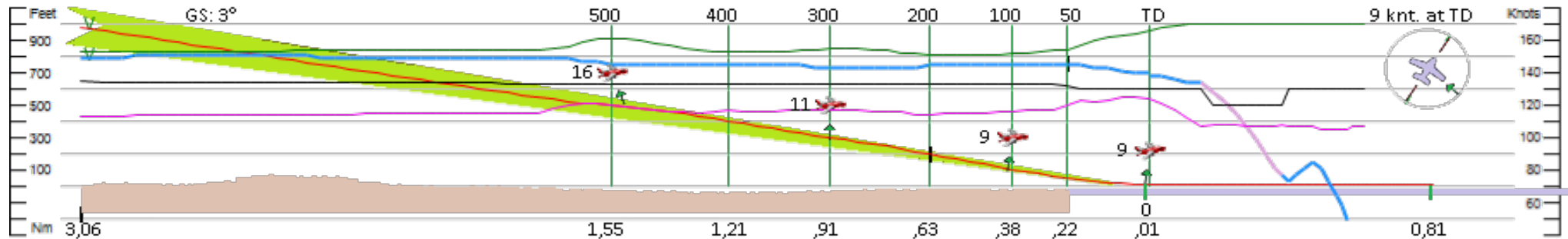
## Forces & Controls

Max. Bank	: 28,9° at: 2.917 Ft. 238 Knt.
Max. Pitch Up	: 9,5° Max. Vs : 2.241 Ft/m.
Max. Pitch Dn	: 5,2° Min. Vs : -2.457 Ft/m.
G-Force at TD	: 1,0 G
Max. G-Force	: 1,7 G - 103 Nm. from Takeoff.
IAS: 275 VS:	478 Pt: 6,4° Bk: 2,1° AGL: 16001 Ft
Min. G-Force	: 0,5 G - 139 Nm. from Takeoff.
IAS: 243 VS:	-16 Pt: -0,6° Bk: 17,6° AGL: 2920 Ft
Max. AOA	: 0,52 - 143 Knt. - AGL: 3 Ft.
Overspeed	: No
Stall	: No

## Schedule

Departed	: 14 : 30	At the Gate	: 16 : 16
ETA at Departure	: 16 : 16	Landed	: 16 : 14
ETE at Departure	: 00 : 41	Flightduration	: 41 Min.

# Landing Chart



Green line	—	: Brakes and Vertical speed in ft/m, 1000 ft. line = 0 --- 800 ft. line = -1000
Magenta line	—	: Pitch in degrees, 600 ft. line = 10° --- 400 ft. line = 0°
Black line	—	: Power from 0% to 100%, 600 ft. line = 0% --- 800 ft. line = 100%
Red line	—	: Altitude in feet AGL (Runway)
Blue line	—	: Groundspeed in knots
Brown	—	: Terrain height
Pink line	—	: Reverse thrust set
Glideslope		: 3°
Green vertical line (long)		: Altitude in feet AGL (Runway)
Green vertical line (short)		: Desired touchdownpoint and end of landingroll (< 20 knt.)
Black vertical line (short)		: Decision height and idle
Green V	V	: Autopilot- and Auto speed hold- OFF
Magenta V	V	: Autopilot- and Auto speed hold- ON

Aircraft : Learjet 45  
 Airport ICAO : LGAV  
 Airport elevation : 308 Ft.

Vertical speed at touchdown : -216 Ft/m  
 Pitch at touchdown : 4,7°  
 G-force at touchdown : 1,2 G  
 Speed at Landing : 136 Knt. - 138 Gs. - 256 Km.  
 Bouncing : No  
 Landing roll : 1.504 M. / 4.933 Ft.