

# Flight Analysis Report

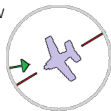


Aircraft : Cessna Skyhawk G1000 A  
 Tail Number : CJV  
 Airport ICAO Departure : EHRD - Rotterdam  
 Date and Time : 2020-10-17 - 12:49  
 FS Date and Time : 2020-10-17 - 11:54  
 Loaded Flight : CustomFlight  
 Loaded Flightplan : CUSTOMFLIGHT.PLN

Airline : ET  
 Flight Number : 5611  
 Airport ICAO Destination : EHRD - Rotterdam  
 Distance Destination Airport : 0 Nm. 0 Km.  
 Cruise Altitude Flightplan : 2,000 Ft. 610 M.

## Departure

Wind at RW



TaxiOut at : 11 : 14  
 Wind at Runway : 260° 1 Knt. 15 °C  
 Flaps at Takeoff : 10°  
 Takeoff Thrust Set at : 11 : 14 : 27 Thrust : 100 %  
 Start Rolling at : 11 : 14 : 29 Runway : 24  
 Airborn at : 11 : 14 : 50 - 57 Knt. 106 km.  
 Takeoff Weight : 2,403 lbs. 1,090 kg.  
 Takeoff Roll : 379 M. 1,242 Ft.  
 Landing Gear Up at : Fixed  
 Flaps Up at : 367 Ft. - 73 Knt.  
 Autopilot On at : 2,028 Ft. - 95 Knt.  
 Auto Spd Hold On at : .....

## Climb, Cruise & Descent



Avg. wind at cruise

Cruise Alt and Course : 2,000 Ft. - 181° - 001°  
 Avg. Wind at Cruise : 270° - 002 Knt.  
 Avg. Track at Cruise : 085° Hdg - 085° Trk  
 Climb Duration : 4 Min.  
 Cruise Duration : 1 Min.  
 Descent Duration : 34 Min.  
 Avg. Gsp at Climb : 89 Knt. 165 Km.  
 Avg. Gsp at Cruise : 105 Knt. 194 Km.  
 Avg. Gsp at Descent : 90 Knt. 167 Km.  
 Cruise Alt Reached at : 11 : 18 - 2 Nm. 11 °C  
 Start Descent at : 11 : 19 - 4 Nm. 11 °C  
 Leveling at : 1,400 Ft. - 5 Nm.

## Approach

Flaps 1 : 10° at: 1,356 Ft. 102 Knt.  
 Flaps 2 : 20° at: 1,140 Ft. 102 Knt.  
 Flaps 3 : 30° at: 881 Ft. 89 Knt.  
 Flaps 4 :  
 Auto Pilot Off at : 681 Ft. - 76 Knt.  
 Auto Speed Hold Off at : ---  
 Landing Gear Down at : Fixed  
 At 10,000 Ft : 0 Knt. Vs : 0 Ft/m  
 At 5,000 Ft : 0 Knt. Vs : 0 Ft/m  
 At 2,500 Ft : 0 Knt. Vs : 0 Ft/m  
 At 1,000 Ft : 96 Knt. Vs : -664 Ft/m

Hdg :	Crs :	Wind :	Distance to TD :
000°	000°	000° 0 Knt.	0 Nm.
000°	000°	000° 0 Knt.	0 Nm.
000°	000°	000° 0 Knt.	0 Nm.
057°	057°	266° 2 Knt.	3 Nm.

## Landing

Flaps : 30°  
 At 500 Ft : 73 Knt. Vs : -537 Ft/m  
 At 300 Ft : 69 Knt. Vs : -213 Ft/m  
 At 100 Ft : 70 Knt. Vs : -487 Ft/m  
 At 50 Ft : 68 Knt. Vs : -438 Ft/m  
 Idle at : 62 Knt. - 2 Ft.  
 Landing Speed : 62 Knt. 115 Km. IAS

Hdg :	Crs :	Wind :	Distance to TD :
056°	057°	269° 2 Knt.	1.53 Nm.
056°	057°	270° 1 Knt.	0.91 Nm.
056°	057°	271° 1 Knt.	0.35 Nm.
056°	057°	273° 1 Knt.	0.20 Nm.
057°	058°	274° 1 Knt.	0.01 Nm.
057°	058°	274° 1 Knt.	

## On The Runway

Wind at 50 Ft.



Vertical Speed at TD : -162 Ft/m  
 G-force at TD : 1.29 G  
 Pitch at TD : 0.5°  
 Bank and Gear at TD : 0.8° - Both  
 Bouncing at TD : No  
 Landing Weight : 2,362 lbs. 1,071 kg.  
 Reverser Set at : not set  
 Reverser Cancelled at : reverser not used  
 Spoilers Armed : No  
 Spoilers Deployed at : No  
 Flaps : 30°  
 Toe Brakes at : 65 Knt. GS.  
 Landing Roll : 639 M. 2,095 Ft.  
 Flaps Up at : 49 seconds after Touchdown.  
 Spoilers Retracted at : Spoilers not Deployed  
 Taxi In at : 11 : 54

## Fuel Consumption

Taxi Out	:	0 Gal .	i n:	0 Mi n.	0.0 Nm.
Climb	:	1 Gal .	i n:	4 Mi n.	5 Nm.
Cruise	:	0 Gal .	i n:	1 Mi n.	2 Nm.
Descent	:	5 Gal .	i n:	34 Mi n.	52 Nm.
Taxi In	:	0 Gal .	i n:	1 Mi n.	0.1 Nm.
TOTAL	:	6 Gal .	i n:	40 Mi n.	59 Nm.
Remaining	:	49 Gal .	and	318 Mi n.	469 Nm.

## Forces & Controls

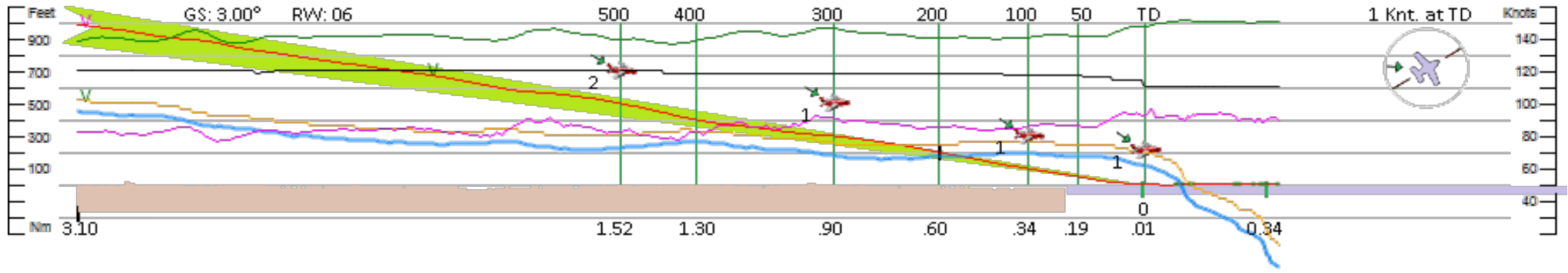
Max. Bank : 26.7° at: 1,391 Ft. 66 Knt.  
 Max. Pitch Up : 15.7° Max. Vs : 1,624 Ft/m.  
 Max. Pitch Dn : 7.1° Min. Vs : -1,275 Ft/m.  
 Max. AOA : 3.4 - 47 Knt. - AGL: 1,411 Ft.  
 Max. G-Force : 1.35 G - 5.33 Nm. from Takeoff.  
 IAS: 91 VS: -528 Pt: 2.6° Bk: 4.8° AGL: 1358 Ft  
 Min. G-Force : 0.55 G - 2.77 Nm. from Takeoff.  
 IAS: 98 VS: -121 Pt: -4.3° Bk: 0.1° AGL: 2028 Ft

## Schedule

Departed : 11 : 14 At the Gate : 11 : 54  
 ETA at Departure : 11 : 28 Landed : 11 : 53  
 ETE at Departure : 00 : 14 Flight Duration : 00 : 39

Overspeed : No  
 Stall 2x at : 1,439 Ft. AGL - 47 Knt. - VS: -98  
 Landing Attempts : 4

# Landing Chart



- Green line : Brakes and Vertical speed in Ft/m, 1000 Ft. line = 0 ft/m --- 800 Ft. line = -1000 ft/m
- Black line : Power in percent, 800 Ft. line = 100% --- 600 Ft. line = 0%
- Magenta line : Pitch in degrees, 600 Ft. line = 10° --- 400 Ft. line = 0°
- Red line : Altitude in feet AGL (Runway)
- Blue line : Indicated Air Speed in Knots
- Orange line : Groundspeed in Knots
- Pink line : Reverse thrust set
- Brown : Terrain height
- Green vertical line (long) | : Altitude in feet AGL (Runway)
- Green vertical line (short) | : Aiming touchdownpoint and end of landingroll (< 25 Knt.)
- Black vertical line (short) | : Decision height and idle
- Green V : Autopilot- and Autospeed- hold OFF
- Magenta V : Autopilot- and Autospeed- hold ON

## Flight Chart

- Dark Thrust line : Auto Speed on
- Dark Blue IAS line : Overspeed
- Dark Red Altitude line : Auto Pilot On
- Blue Wind line : 0 to 40 Knots
- Green G-Force line : 1 to 3 G
- Blue AOA line : 1 to 10, Red is Stall
- Bank & Rudder line : 0° to 45°, 0 to Maximum, Rudder Dark: GearUp
- Flap & Spoiler line : 0° to 40°, 0 to Fully Deployed, Green Armed
- Pink Color Areas : Above Speed Limit, QNH false Above FL 180
- Magenta Temperature line : Outside temperature in C°
- Blue Visibility line : More then 6 Nm. Light Blue : Less then 6 Nm
- Pink Arrow : Course arrow up = North
- Green Arrow : Wind arrow to left = Head



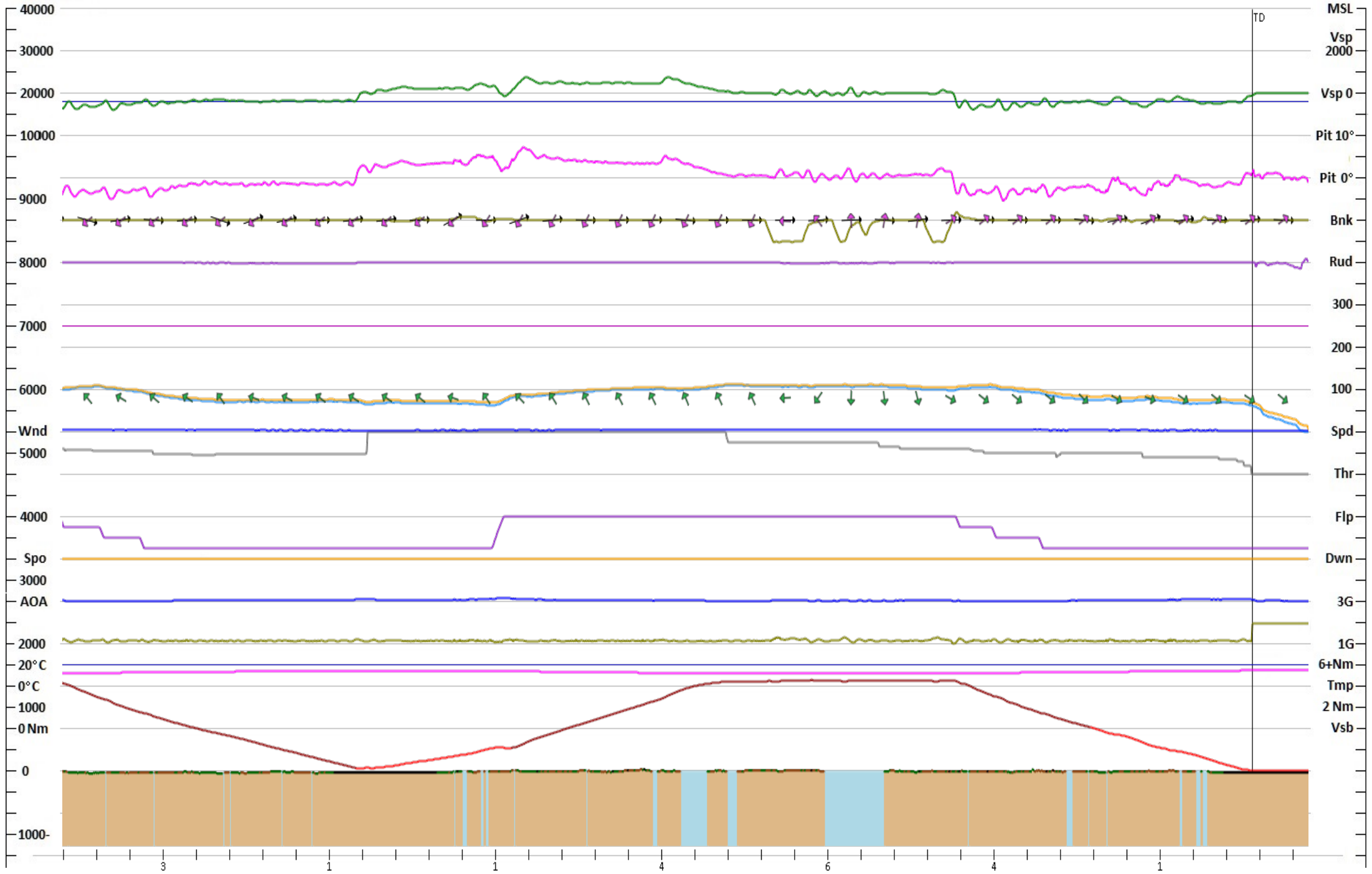
Aircraft : Cessna Skyhawk G1000 Asobo  
 Airport Departure : EHRD - Rotterdam, Rotterdam, Netherlands 15°C 59°F  
 Airport Destination : EHRD - Rotterdam, Rotterdam, Netherlands 15°C 59°F  
 RW Id, Length and Elevation : 06 - Heading 57° - 7,212 Ft. 2,198 M. - -15 Ft. -5 M.  
 Glideslope : 3.00° - ILS Freq: 109.10 - ILS Id: ROS

Vertical speed at touchdown : -162 Ft/m  
 Pitch at touchdown : 0.5°  
 G-force at touchdown : 1.29 G  
 Speed at landing : 62 Knt. 115 Km. IAS - 70 Knt. 130 Km. GSP  
 Bouncing : No  
 Landing roll : 639 M. 2,095 Ft.  
 QNH at reaching cruise ALT : Correct: 1013 (inHg: 29.91)  
 QNH at touchdown : Correct: 1013 (inHg: 29.91)  
 Landing attempts : 4 - Touch&Go : 2 - Missed Approach : 1  
 Minimal Visibility at 500 Ft. : 40 Km. 22 Nm. - Temperature: 14°C 57°F  
 Estimated Flown distance : 109 Km. 59 Nm. - Distance in Flightplan : 0 Km. - 0 Nm.  
 Total Fuel Consumption : 6 Gal. - 23 Liter - 40 Lbs - 18 Kilo  
 Maximum IAS Below 10,000 Ft. : 121 Knt. - Maximum GSP Reached : 124 Knt. - 230 Km.

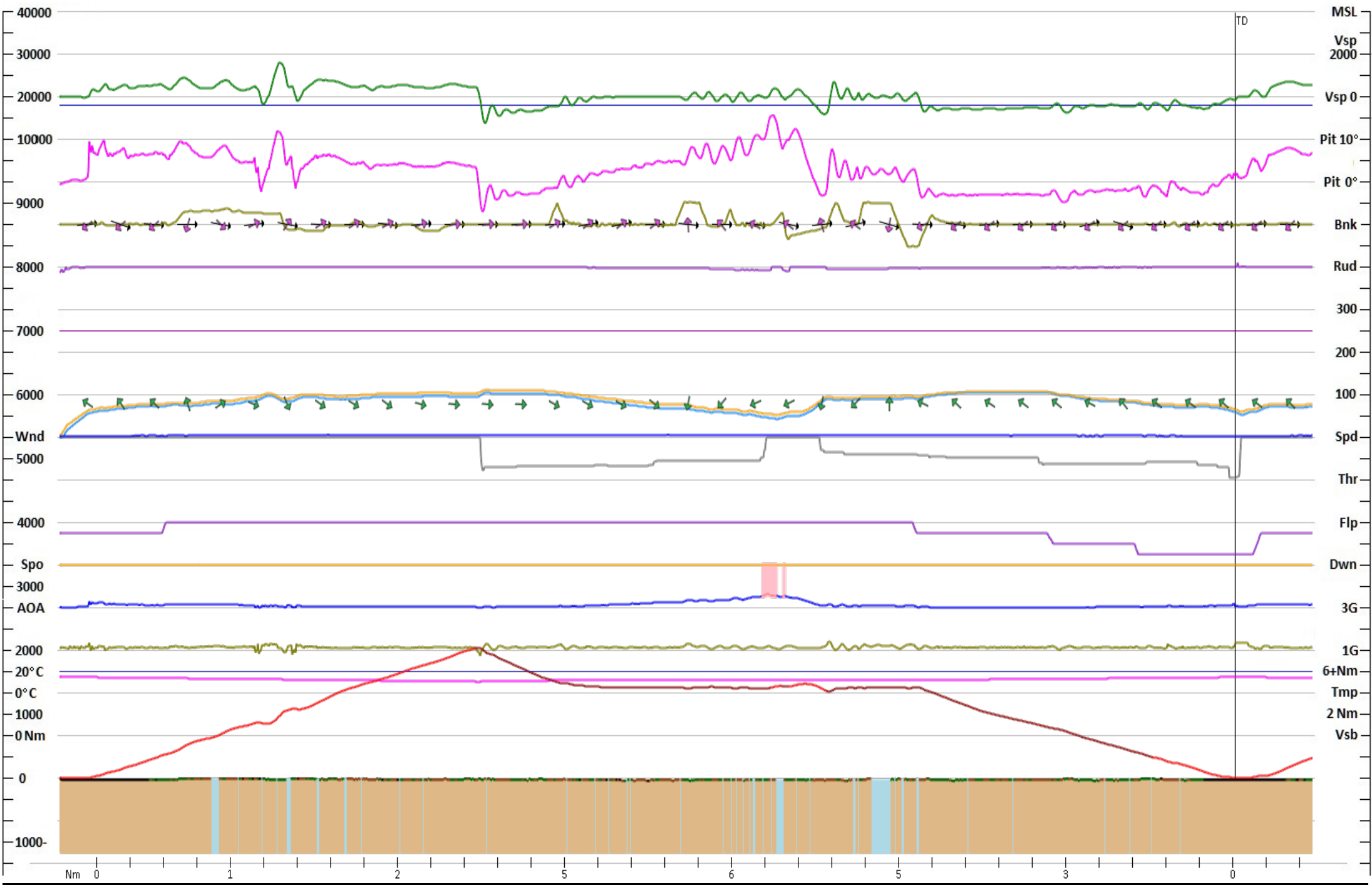
## Failure Occurrences

Fuel Leak : NO  
 Gear : NO  
 Flaps : NO  
 Engine : NO  
 Heading : NO  
 Altimeter : NO  
 Vertical speed : NO  
 Attitude : NO  
 Airspeed : NO  
 Pitot : NO

# Descent Chart

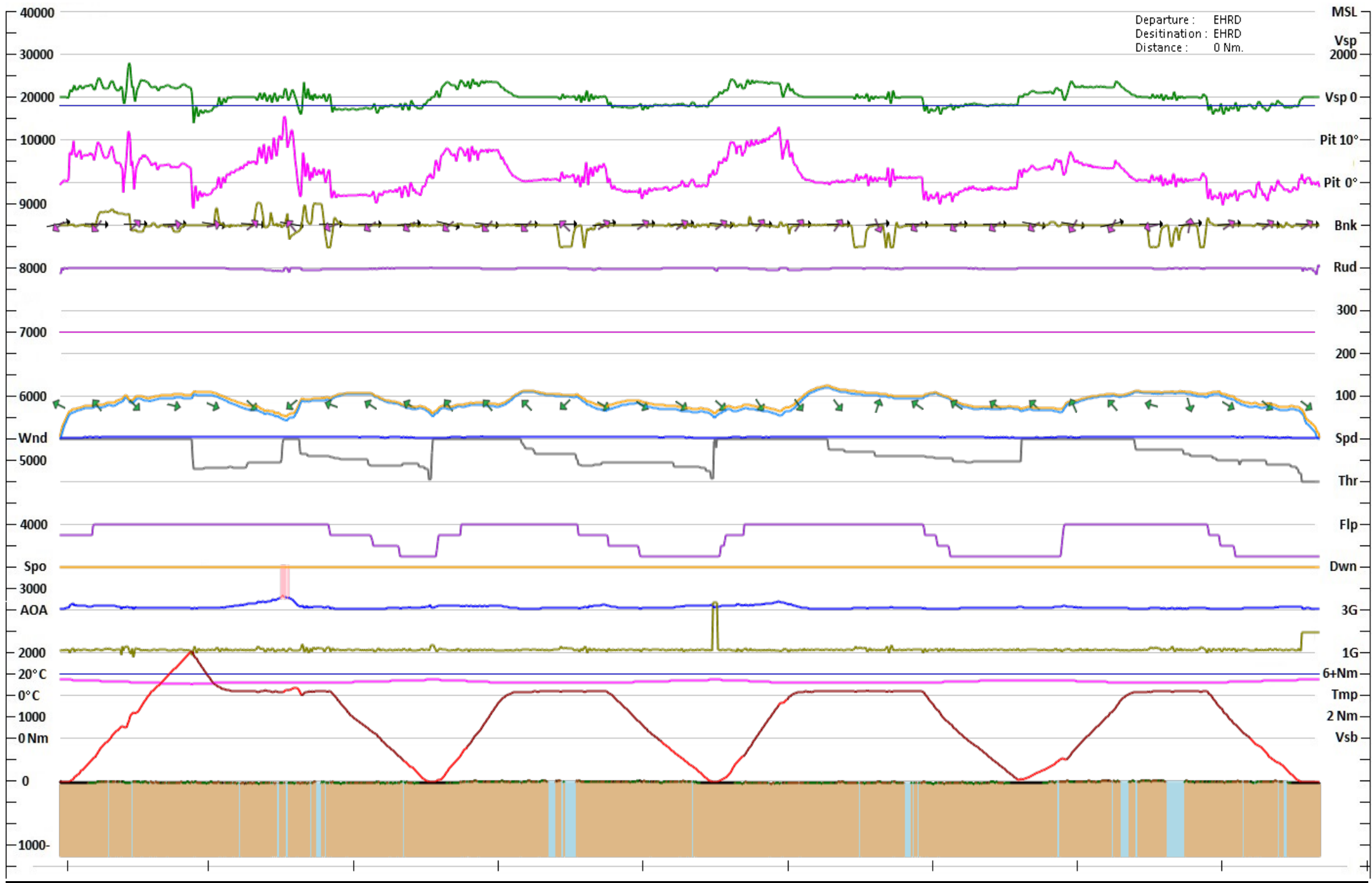


# Climb Chart

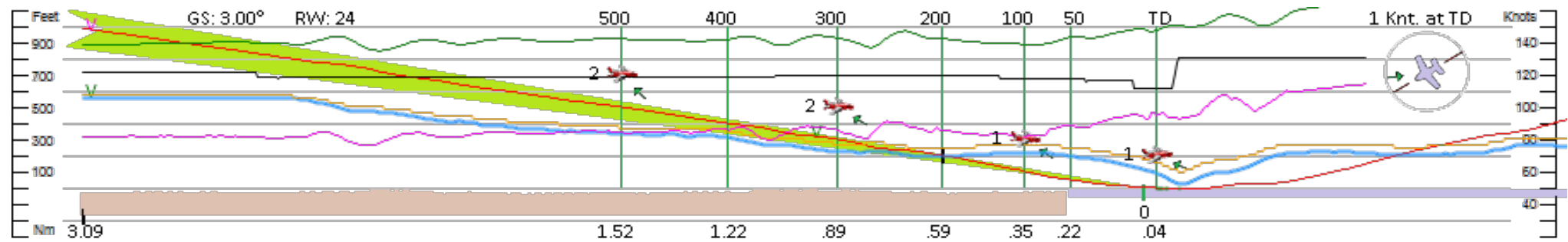


# Overall Flight Chart

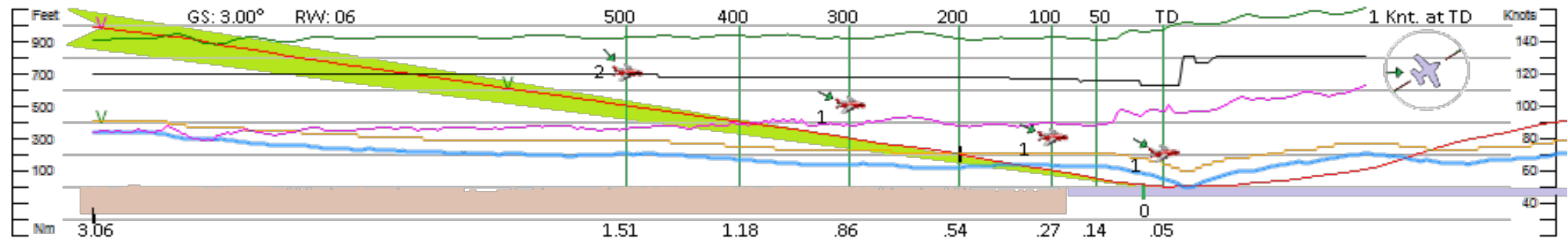
Departure : EHRD  
Desitination : EHRD  
Distance : 0 Nm.



## Touch & Go 1



## Touch & Go 2



## Missed Approach 1

