

Aircraft Operator Detail Report - TC

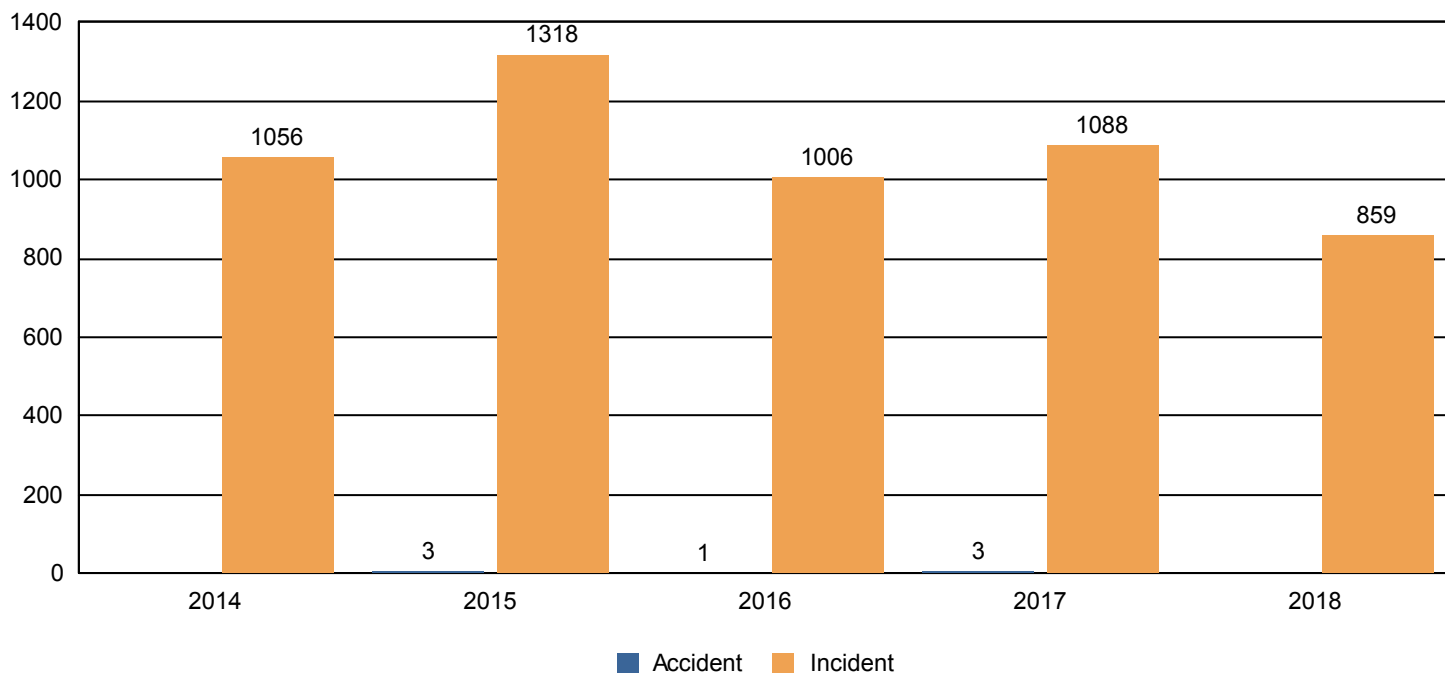
2014 - 2018

AIR CANADA (5262)

Legal Name:	AIR CANADA
Trade Name 1:	AIR CANADA JETZ
Trade Name 2:	AIR CANADA EXPRESS
Trade Name 3:	
Trade Name 4:	
Trade Name 5:	
Trade Name 6:	
OPI Region:	National Capital Region (NCR)
Ownership Type:	Domestic
Company File Number:	5262
Designator:	ACA
Operator Rule (NACIS):	Airline Operations
Cargo Flag:	Yes
Passenger Flag:	Yes
Day VFR Flag:	Missing or No Data
Night VFR Flag:	Missing or No Data
VFR OTT Flag:	Missing or No Data
IFR Flag:	Yes

Number of Occurrences by Occurrence Type

	2014	2015	2016	2017	2018	Total
Accident	0	3	1	3	0	7
Incident	1056	1318	1006	1088	859	5327
Total	1056	1321	1007	1091	859	5334



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<u>Number of Occurrences by Occurrence Category</u>						
	2014	2015	2016	2017	2018	Total
Undershoot/overshoot	318	342	353	392	330	1735
Other	212	427	193	204	163	1199
Bird	188	135	187	171	104	785
Aerodrome	191	123	107	127	76	624
System/component failure or malfunction [non-powerplant]	158	145	88	113	74	578
Turbulence encounter	72	85	86	86	102	431
Medical	88	86	88	90	62	414
Navigation Errors	57	115	66	72	56	366
Airprox/TCAS alert/loss of separation/(near) midair collisions	51	56	76	68	68	319
Security related	62	96	57	61	23	299
ATM/CNS	22	25	29	32	15	123
Abrupt manoeuvre	29	19	12	22	22	104
Wind shear or thunderstorm	12	16	31	16	21	96
Fire/smoke (non-impact)	14	13	11	22	11	71
Fuel related	18	12	7	17	10	64
System/component failure or malfunction [powerplant]	14	10	12	17	10	63
Wildlife	13	11	7	7	11	49
Runway Incursion	5	4	11	7	6	33
Cabin safety events	7	6	8	5	4	30
Unknown or undetermined	0	2	3	3	3	11
Ground handling	2	1	0	4	2	9
Ground collision	1	0	0	3	2	6
Icing	1	1	0	3	0	5
Abnormal runway contact	0	2	0	1	0	3
Evacuation	0	0	2	1	0	3
Loss of control - inflight	1	0	0	1	1	3
Runway excursion	1	1	0	1	0	3
Loss of control - ground	0	0	1	0	1	2
Collision with obstacle(s) during take-off or landing whilst airborne.	0	1	0	0	0	1
Total	1537	1734	1435	1546	1177	7429



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<u>Number of Aircraft Events by Year</u>						
	2014	2015	2016	2017	2018	Total
Overshoot/missed approach	234	290	331	341	296	1492
Bird strike	176	132	181	164	105	758
Diversion	96	86	69	86	60	397
Declared emergency/priority	75	72	79	102	40	368
Medical emergency	77	77	69	73	56	352
Navigation error	45	103	46	59	50	303
Laser interference	52	79	55	55	16	257
Airspeed Limitations - Deviation from CARs	0	235	0	0	1	236
Wake turbulence/vortices	34	34	33	32	47	180
TCAS alert	29	26	35	39	40	169
Flight control systems (ailerons, rudder, rotors, flaps, main, tail)	37	27	14	23	9	110
Hydraulic problem	27	18	17	24	14	100
Conflict - loss of separation	18	23	17	23	17	98
Rejected take-off	25	18	11	19	18	91
Weather - wind shear	9	14	28	13	22	86
Smoke/fumes - aircraft	17	14	17	23	13	84
Landing gear	23	25	8	15	9	80
Crew incapacitation	11	15	24	21	8	79
Weather - wind	13	12	15	18	18	76
Conflict - potential	7	10	39	6	12	74
Incursion - manoeuvring area	19	22	8	14	8	71
Mechanical/technical malfunction of aircraft - other	16	21	11	6	10	64
Aircraft navigation/communication equipment	9	12	11	11	7	50
Electrical problem	7	12	10	10	5	44
Communication error	9	10	10	5	8	42
Engine - malfunction	7	9	5	15	6	42
Other operational incident	7	6	7	9	11	40
Weather - clear air turbulence (CAT)/turbulence	3	7	15	8	5	38
Decompression/pressurization	8	8	9	9	2	36
Brakes - other	11	3	4	6	1	25
Animal strike (or risk of collision with animal)	1	5	2	5	8	21
Disruptive passenger	6	6	0	4	5	21
Weather - other	6	4	3	4	3	20
Blown tire/wheel failure	6	7	1	2	3	19
Fuel - dumping	4	0	3	5	5	17
Fuel - low/declared minimum	5	4	3	4	1	17
IFR operations below minimum	11	6	0	0	0	17
Brakes - overheated	3	3	2	1	7	16
Conflict - IFR & VFR	3	3	6	1	1	14
Incursion - runway - aircraft	5	0	5	3	1	14
Fuel - other	2	3	2	4	2	13
Flight plan - route	0	7	3	2	0	12
Door/canopy openings indications	3	4	2	2	0	11
Weather - lightning	3	1	3	2	2	11
ELT	3	1	0	3	3	10
Evacuation (aircraft)	3	2	1	3	1	10
Flight instrument failure	3	2	1	3	1	10

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Fuel - spill	2	3	1	2	2	10
Fuel - leak	4	2	0	1	2	9
Aerodrome noise	4	2	0	2	0	8
Engine oil problem	3	1	2	0	2	8
False warning - smoke or fire	1	1	0	2	4	8
Engine failure	2	0	3	0	2	7
Part or pieces separate from an aircraft	1	2	0	2	2	7
Fire - aircraft (cockpit, cargo or passenger area)	1	2	1	0	2	6
Security acts	1	4	0	0	1	6
Collision with object	2	1	1	0	1	5
Incursion - runway - animal	0	1	1	0	3	5
Aerodrome - other	4	0	0	0	0	4
Collision on ground	0	0	0	3	1	4
Engine shut down	2	0	1	1	0	4
False indication warning	0	1	1	2	0	4
Fire - engine	0	0	2	2	0	4
Parked aircraft damage	0	0	0	2	2	4
Weather - visibility	1	1	1	0	1	4
Windshield/window (aircraft)	0	1	3	0	0	4
Aerodrome, runway or taxiway shutdown	2	0	1	0	0	3
Collision on ground with aircraft	0	0	1	2	0	3
GPWS/TAWS alert	3	0	0	0	0	3
Ground handling services	0	0	0	2	1	3
Loss of control - inflight	1	0	0	1	1	3
Navigation assistance	0	1	1	0	1	3
Runway excursion	1	1	0	1	0	3
Weather - precipitation	1	1	0	0	1	3
Brakes - failure	0	0	1	1	0	2
Class F airspace violation	2	0	0	0	0	2
Flight plan – activation	2	0	0	0	0	2
FOD (foreign object debris)	1	0	1	0	0	2
Hard landing	0	1	0	0	1	2
Loss of control - on ground	0	0	1	0	1	2
Weather - icing	1	0	0	1	0	2
Bird presence	1	0	0	0	0	1
Conflict - near collision (VFR or IFR)	0	0	0	0	1	1
Controlled airspace - unauthorized entry	1	0	0	0	0	1
Dangerous goods/hazardous materials	0	1	0	0	0	1
Landing gear - incorrect configuration	0	0	0	0	1	1
Landing in proximity of the intended surface	0	1	0	0	0	1
Object dropped from aircraft	0	0	0	1	0	1
Public complaint	0	0	1	0	0	1
Tail strike	0	1	0	0	0	1
Take-off without clearance	0	0	0	0	1	1
Weather balloon, meteor, rocket, CIRVIS/UFO	0	0	0	0	1	1
Wire strike	0	1	0	0	0	1
Not Applicable	0	0	0	0	0	0
Total	1212	1508	1239	1305	992	6256

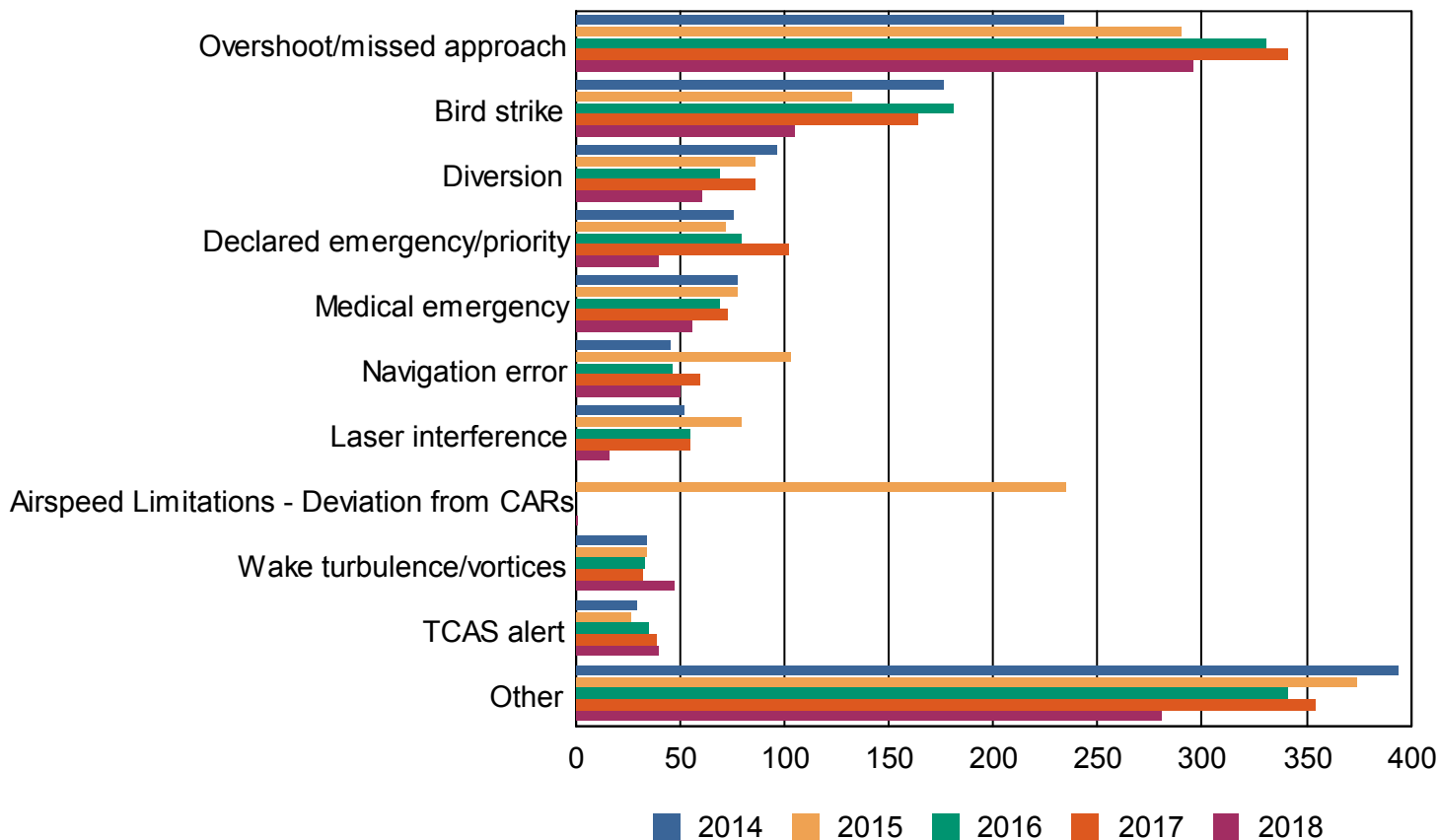


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Top 10 Aircraft Events by Year

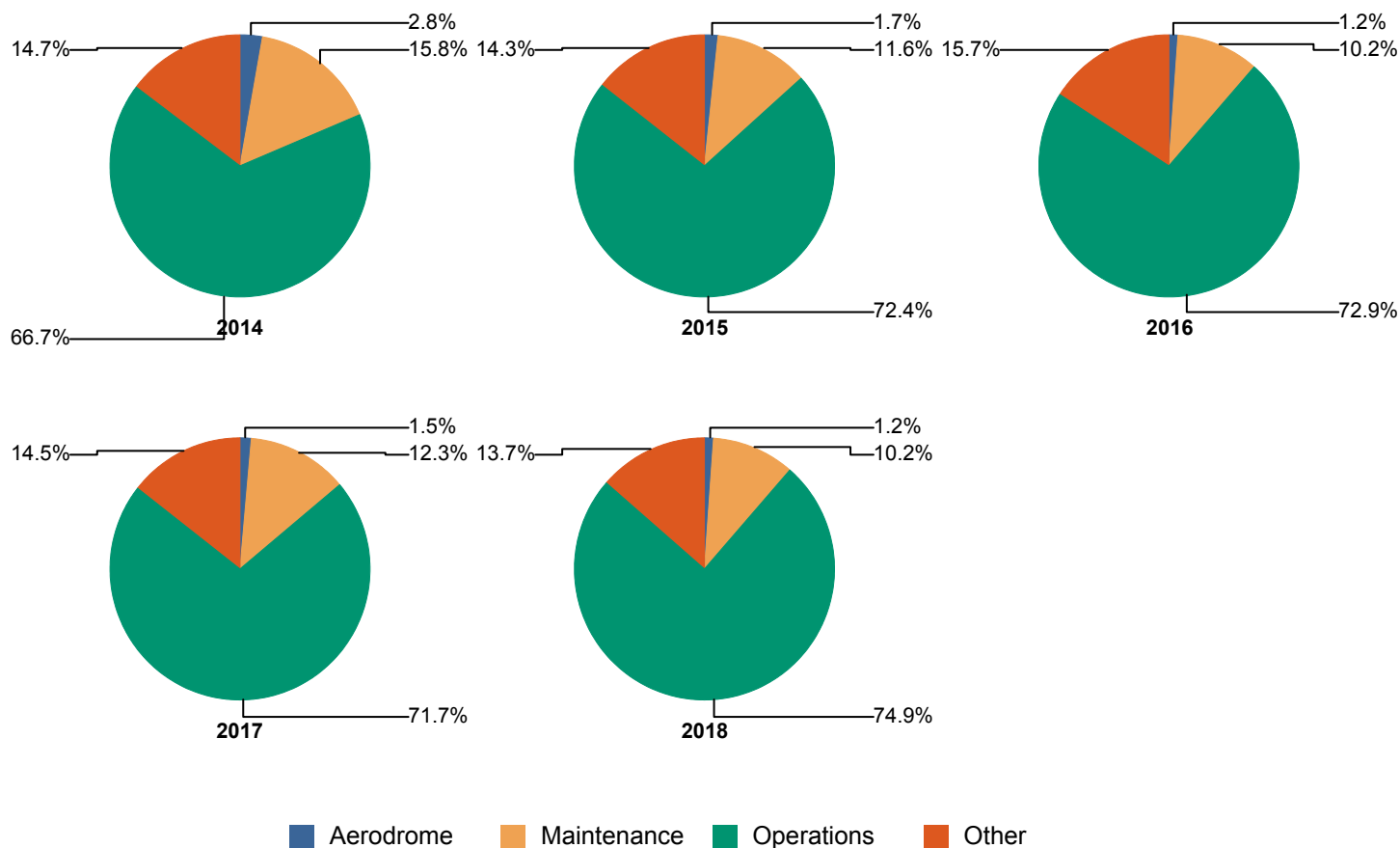


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Number of Aircraft Events by Event Category

	2014	2015	2016	2017	2018	Total
Operations	809	1092	903	936	743	4483
Other	178	216	195	189	136	914
Maintenance	191	175	126	161	101	754
Aerodrome	34	25	15	19	12	105
Total	1212	1508	1239	1305	992	6256



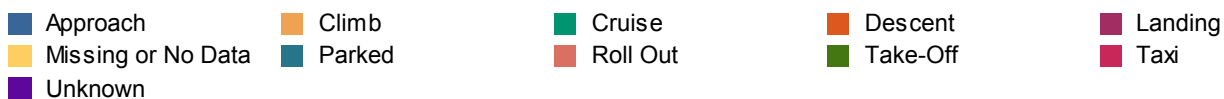
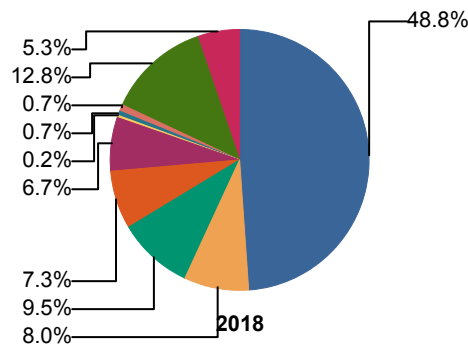
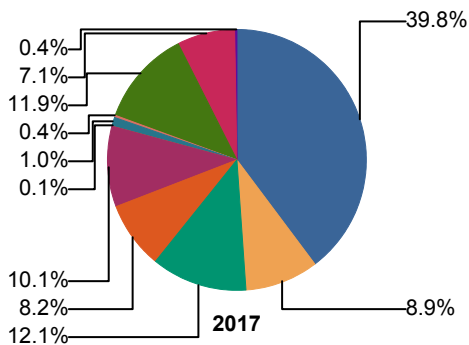
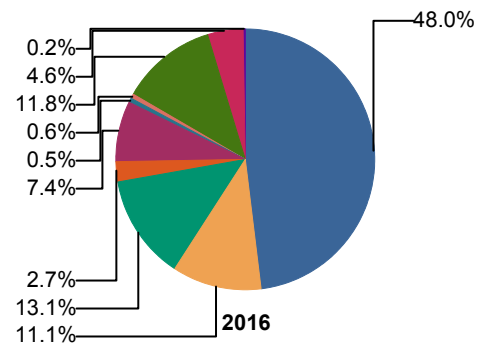
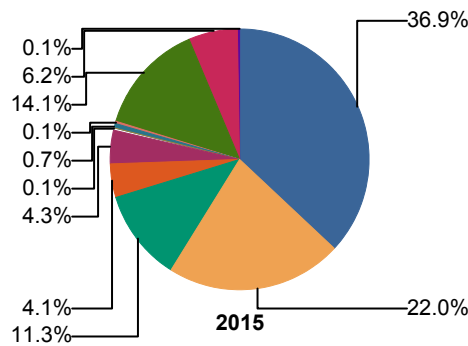
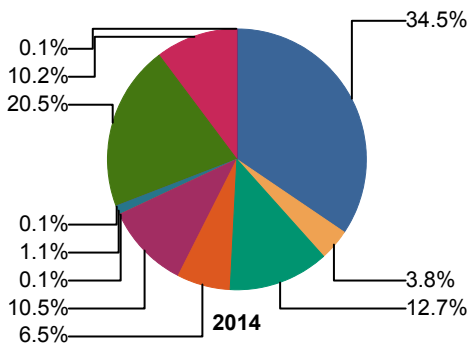
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Number of Aircraft Involved by Phase Category

	2014	2015	2016	2017	2018	Total
Approach	381	501	498	455	432	2267
Take-Off	226	191	123	136	113	789
Cruise	140	154	136	138	84	652
Climb	42	298	115	102	71	628
Landing	116	59	77	115	59	426
Taxi	113	84	48	81	47	373
Descent	72	56	28	94	65	315
Parked	12	9	5	11	6	43
Roll Out	1	2	6	5	6	20
Unknown	1	2	2	4	0	9
Missing or No Data	1	1	0	1	2	5
Total	1105	1357	1038	1142	885	5527



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Top 10 Occurrence Locations (Aerodromes)

	2014	2015	2016	2017	2018	Total
CYYZ - Lester B. Pearson International Airport	292	635	360	314	267	1868
CYVR - Vancouver International Airport	131	111	109	133	104	588
CYYC - CALGARY INTERNATIONAL	138	104	70	81	50	443
CYUL - Pierre-Elliott-Trudeau Intl Airport	77	61	73	60	48	319
CYOW - Macdonald-Cartier International Airport	54	45	44	36	21	200
CYEG - Edmonton International Airport	23	19	33	28	32	135
CYHZ - Halifax Robert L. Stanfield international Airport	30	20	21	34	27	132
CYWG - Winnipeg James Armstrong Richardson International Airport	21	14	13	13	13	74
CYYT - ST JOHN'S INTERNATIONAL AIRPORT	13	14	8	12	13	60
CYXE - Saskatoon John G. Diefenbaker International	10	8	11	16	3	48
Total	789	1031	742	727	578	3867

