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OAG flightview Historical Daily Flight Reports Integration

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1.   Introduction

OAG FlightView's Historical Daily Flight Reports are reports for a selected set of past flights filtered by geography, airlines, airports and/or other criteria. They are used for analyzing on-time performance and trends on key statistics such as time aloft, and other events. The reports are delivered as flat files for customers to easily import into a spreadsheet or database application for review and/or incorporating into high-level analyses with other corporate data.

The Historical Daily Flight Reports include a variety of information about each flight, such as:

Flight Number: airline code, flight number

Departure/Arrival Airports: departure and arrival airport codes, country codes, terminals, gates, baggage assignments

Flight Times: scheduled, estimated and actual departure and arrival gate and runway times; or flight cancelled identifier

Additional Flight Characteristics: tail number, equipment type, service type, regional or code-share operator, sequence number for multi-leg flight, previous flight number

The Historical Daily Flight Reports are based on OAG FlightView's extensive real-time flight information, which contains data from hundreds of sources, globally. Such sources include schedule data, airline direct feeds, in-air position feeds or radar data, and airport feeds. Data from all of these sources is normalized and aggregated to provide customers with the most accurate picture of each flight on any given day.

2.   Report Configuration

The reports are configurable to suit the varying needs of our customers. They may be configured in the following ways:
- Specifying the scope of flights
- Specifying which data elements to include
- Requesting additional custom calculated fields (e.g. time aloft, number minutes late arriving, taxi time, etc.)

Scope of Flights

The flights in the report may be filtered in the following manner:

1. By country (Flights whose scheduled departure airport or scheduled arrival airport are in the target country)

2. Include/exclude marketing code-share flights (if exclude then only the operating flights will be in the report)

3. Include/exclude Unscheduled flights (e.g. flights that fly a final leg to the scheduled destination after being diverted to an alternate airport, last-minute flights added on the day of departure)

4. [US and Canada only] Include/exclude Private Aviation flights (flights for privately owned/operated aircrafts)

Data Fields

The data elements that may be included in a Historical Daily Flight Report are listed in Section 6, under Glossary of Terms. Please speak with your OAG FlightView contact about any custom calculated fields you would like added.

Customers work with the OAG FlightView implementation team to provide their configuration requirements.

3.   Report Delivery

The Historical Daily Flight Reports are tab-delimited, ASCII-encoded files, compressed in gzip format (see http://www.gzip.org/zlib/rfc-gzip.html for details). Please see instructions below for opening them.

Customers access the daily report file through OAG FlightView's FTP site.

Instructions to open output file:

1. There are many open source utility programs to open gzip files, such as http://www.7-zip.org/. Use one of these to unzip the file.
2. Once the gzip is unzipped, the customer shall save it as a text file.
3. Open Excel program on your computer. Click File > Open > Open Text File.
4. Follow the Excel Wizard steps to import the data into Excel.

4.   Time Period Covered

Some customers request Historical Flight Reports for a specific time period in the past (e.g. all of 2014 or first 3 months of 2015), other customers request reports for each day moving forward from today, and yet others request both. OAG FlightView can service all these requests.

When customers request reports that span multiple days/months in the past, a report for each of the days in the time period is put on the FTP site at once, so if there are 60 days in the time period, then 60 daily reports will be posted. When customers request reports for each day moving forward from today, a report is put on the FTP site each day for the previous day's flights.

All reports will remain available on the FTP site for at least 90 days after they are created.

5. Sample Report

Below is a sample report broken into 3 sections in this document only, for ease of reading. There are 27 flight legs in the report with the airline code and flight number in the far left columns in each section to help identify them. In the real report there is one record per flight leg and all its associated field values.

Please note: This sample shows a limited number of fields (as the columns). There are more fields that can be selected as part of a customer's configuration. Please see Section 6 for the list of possible standard fields to select from. Also, as stated above, customer calculated fields may be added.

Airline Code	Flight Number	Sched Dep Apt	Sched Arr Apt	Sched Dep Utc	Sched Arr Utc	Sched Dep Local	Sched Arr Local	Dep Terminal	Dep Gate	Arr Terminal	Arr Gate	Baggage	Service Type	Aircraft Type
B6	888	SFO	LAS	10/28/2015 19:40	10/28/2015 21:19	10/28/2015 12:40	10/28/2015 14:19	I	A12	3	E12		J	A320
B6	889	BOS	DCA	10/28/2015 17:15	10/28/2015 18:51	10/28/2015 13:15	10/28/2015 14:51	C	C25	C	28		J	E190
B6	890	DCA	BOS	10/28/2015 22:05	10/28/2015 23:32	10/28/2015 18:05	10/28/2015 19:32	C	28	C	C21		J	E190
B6	89	JFK	SAN	10/28/2015 20:56	10/29/2015 3:11	10/28/2015 16:56	10/28/2015 20:11	5	29	2	37		J	A320
B6	8	LAS	FLL	10/29/2015 5:47	10/29/2015 10:14	10/28/2015 22:47	10/29/2015 6:14	3	E11	3	F5	7	J	A320
B6	905	JFK	ORD	10/28/2015 12:30	10/28/2015 15:13	10/28/2015 8:30	10/28/2015 10:13	5	22	3	L5		J	A320
B6	906	ORD	JFK	10/28/2015 15:55	10/28/2015 17:59	10/28/2015 10:55	10/28/2015 13:59	3	L5	5	15		J	A320
B6	90	SAN	JFK	10/29/2015 4:05	10/29/2015 9:05	10/28/2015 21:05	10/29/2015 5:05	2	37	5	23		J	A320
B6	915	JFK	SFO	10/28/2015 19:59	10/29/2015 2:41	10/28/2015 15:59	10/28/2015 19:41	5	24	I	A12		J	A321
B6	916	SFO	JFK	10/28/2015 22:45	10/29/2015 4:07	10/28/2015 15:45	10/29/2015 0:07	I	A2	5	22		J	A321
B6	917	BOS	JFK	10/28/2015 9:45	10/28/2015 10:56	10/28/2015 5:45	10/28/2015 6:56	C	C33	5	4		J	E190
B6	918	JFK	BOS	10/28/2015 21:00	10/28/2015 22:11	10/28/2015 17:00	10/28/2015 18:11	5	5	C	C18		J	E90
B6	927	EWR	MCO	10/28/2015 18:35	10/28/2015 21:21	10/28/2015 14:35	10/28/2015 17:21	A	A16	A	12	10	J	A320
B6	928	MCO	EWR	10/28/2015 18:20	10/28/2015 20:57	10/28/2015 14:20	10/28/2015 16:57	A	11	A	A17		J	A320
B6	932	HOU	BOS	10/28/2015 23:05	10/29/2015 2:39	10/28/2015 18:05	10/28/2015 22:39	3	30	C	C17		J	A320
B6	948	LAS	JFK	10/29/2015 4:55	10/29/2015 9:36	10/28/2015 21:55	10/29/2015 5:36	3	E12	5	30		J	A321
B6	951	BOS	MCO	10/28/2015 18:50	10/28/2015 22:03	10/28/2015 14:50	10/28/2015 18:03	C	C25	A	1	9	J	A320
B6	952	MCO	BOS	10/28/2015 19:50	10/28/2015 22:41	10/28/2015 15:50	10/28/2015 18:41	A	23	C	C34		J	A320
B6	954	SJU	FLL	10/28/2015 14:45	10/28/2015 17:31	10/28/2015 10:45	10/28/2015 13:31	A	A4	3	F6	7	J	A320
B6	971	LGA	FLL	10/28/2015 13:30	10/28/2015 16:38	10/28/2015 9:30	10/28/2015 12:38	B	A4	3	F8	4	J	A320
B6	972	FLL	LGA	10/28/2015 11:25	10/28/2015 14:14	10/28/2015 7:25	10/28/2015 10:14	3	F10	B	A2		J	A320
B6	983	JFK	MCO	10/28/2015 21:10	10/29/2015 0:05	10/28/2015 17:10	10/28/2015 20:05	5	15	A	8	10	J	A320
B6	984	RDU	BOS	10/28/2015 21:05	10/28/2015 22:57	10/28/2015 17:05	10/28/2015 18:57	2	C10	C	C16		J	E190
B6	989	BOS	DCA	10/28/2015 19:15	10/28/2015 20:51	10/28/2015 15:15	10/28/2015 16:51	C	C28	C	28		J	E190
DL	100	CDG	JFK	10/28/2015 9:45	10/28/2015 18:09	10/28/2015 10:45	10/28/2015 14:09	2E	TBA	4	B30		J	A333
DL	101	ATL	EZE	10/29/2015 2:03	10/29/2015 12:10	10/28/2015 22:03	10/29/2015 9:10	I	E14	C	11		J	B764
DL	101	LAX	ATL	10/28/2015 20:40	10/29/2015 0:59	10/28/2015 13:40	10/28/2015 20:59	6	69A	S	E02		J	B752

Continued from above (same 27 flights but additional fields in the columns).

Airline Code	Flight Number	Dep Country Code	Arr Country Code	Tail Number	Num Legs	Seq Number	Prev Flt Al Code	Prev Flt Number	Prev Flt Sched Arr Local	Prev Flt Sched Arr Utc	Out Gate Local	Out Gate Utc
B6	888	US	US	N649JB	1	1	B6	789	10/28/2015 11:59	10/28/2015 18:59	10/28/2015 12:37	10/28/2015 19:37
B6	889	US	US	N355JB	1	1	B6	2380	10/28/2015 12:35	10/28/2015 16:35	10/28/2015 13:15	10/28/2015 17:15
B6	890	US	US	N206JB	1	1	B6	989	10/28/2015 16:51	10/28/2015 20:51	10/28/2015 19:07	10/28/2015 23:07
B6	89	US	US	N661JB	1	1					10/28/2015 16:52	10/28/2015 20:52
B6	8	US	US	N708JB	1	1	B6	7	10/28/2015 21:56	10/29/2015 4:56	10/28/2015 22:54	10/29/2015 5:54
B6	905	US	US	N579JB	1	1	B6	670	10/28/2015 7:17	10/28/2015 11:17	10/28/2015 8:26	10/28/2015 12:26
B6	906	US	US	N579JB	1	1	B6	905	10/28/2015 10:13	10/28/2015 15:13	10/28/2015 14:18	10/28/2015 19:18
B6	90	US	US	N661JB	1	1	B6	89	10/28/2015 20:11	10/29/2015 3:11	10/28/2015 21:08	10/29/2015 4:08
B6	915	US	US	N942JB	1	1	B6	24	10/28/2015 14:49	10/28/2015 18:49	10/28/2015 15:52	10/28/2015 19:52
B6	916	US	US	N946JL	1	1	B6	415	10/28/2015 14:30	10/28/2015 21:30	10/28/2015 16:22	10/28/2015 23:22
B6	917	US	US	N306JB	1	1	B6	418	10/26/2015 21:53	10/27/2015 1:53	10/28/2015 5:42	10/28/2015 9:42
B6	918	US	US	329	1	1						
B6	927	US	US	N526JL	1	1	B6	544	10/28/2015 13:54	10/28/2015 17:54	10/28/2015 15:01	10/28/2015 19:01
B6	928	US	US	N621JB	1	1	B6	527	10/28/2015 8:45	10/28/2015 12:45	10/28/2015 15:16	10/28/2015 19:16
B6	932	US	US	N569JB	1	1	B6	581	10/28/2015 17:21	10/28/2015 22:21	10/28/2015 21:48	10/29/2015 2:48
B6	948	US	US	N950JT	1	1	B6	711	10/28/2015 20:45	10/29/2015 3:45	10/28/2015 22:01	10/29/2015 5:01
B6	951	US	US	N505JB	1	1	B6	722	10/28/2015 13:59	10/28/2015 17:59	10/28/2015 14:46	10/28/2015 18:46
B6	952	US	US	N527JL	1	1	B6	1784	10/28/2015 14:38	10/28/2015 18:38	10/28/2015 16:15	10/28/2015 20:15
B6	954	PR	US	N624JB	1	1	B6	1033	10/28/2015 9:45	10/28/2015 13:45	10/28/2015 10:42	10/28/2015 14:42
B6	971	US	US	N516JB	1	1	B6	272	10/28/2015 8:43	10/28/2015 12:43	10/28/2015 9:17	10/28/2015 13:17
B6	972	US	US	N632JB	1	1	B6	1824	10/28/2015 5:47	10/28/2015 9:47	10/28/2015 7:24	10/28/2015 11:24
B6	983	US	US	N579JB	1	1	B6	906	10/28/2015 13:59	10/28/2015 17:59	10/28/2015 23:33	10/29/2015 3:33
B6	984	US	US	N190JB	1	1	B6	1185	10/28/2015 16:25	10/28/2015 20:25	10/28/2015 18:58	10/28/2015 22:58
B6	989	US	US	N206JB	1	1	B6	590	10/28/2015 14:24	10/28/2015 18:24	10/28/2015 16:23	10/28/2015 20:23
DL	100	FR	US	N822NW	1	1	DL	171	10/28/2015 8:35	10/28/2015 7:35	10/28/2015 11:13	10/28/2015 10:13
DL	101	US	AR	N837MH	2	2	DL	29	10/28/2015 18:15	10/28/2015 22:15	10/28/2015 22:12	10/29/2015 2:12
DL	101	US	US	N67171	2	1	DL	1060	10/28/2015 12:30	10/28/2015 19:30	10/28/2015 13:39	10/28/2015 20:39

Continued from above (same 27 flights but additional fields in the columns).

Airline Code	Flight Number	In Air Local	In Air Utc	Landed Local	Landed Utc	InGate Local	InGate Utc	Time Aloft	Cancelled	Min Late Departed	Min Late Arrived
B6	888	10/28/2015 12:46	10/28/2015 19:46	10/28/2015 13:46	10/28/2015 20:46	10/28/2015 13:54	10/28/2015 20:54	60	0	-3	-25
B6	889	10/28/2015 13:56	10/28/2015 17:56	10/28/2015 15:19	10/28/2015 19:19	10/28/2015 15:22	10/28/2015 19:22	83	0	0	31
B6	890	10/28/2015 19:37	10/28/2015 23:37	10/28/2015 20:44	10/29/2015 0:44	10/28/2015 20:49	10/29/2015 0:49	67	0	62	77
B6	89	10/28/2015 17:18	10/28/2015 21:18	10/28/2015 19:55	10/29/2015 2:55	10/28/2015 19:58	10/29/2015 2:58	337	0	-4	-13
B6	8	10/28/2015 23:07	10/29/2015 6:07	10/29/2015 6:06	10/29/2015 10:06	10/29/2015 6:11	10/29/2015 10:11	239	0	7	-3
B6	905	10/28/2015 8:50	10/28/2015 12:50	10/28/2015 9:42	10/28/2015 14:42	10/28/2015 9:55	10/28/2015 14:55	112	0	-4	-18
B6	906	10/28/2015 14:49	10/28/2015 19:49	10/28/2015 18:05	10/28/2015 22:05	10/28/2015 18:12	10/28/2015 22:12	136	0	203	253
B6	90	10/28/2015 21:20	10/29/2015 4:20	10/29/2015 4:52	10/29/2015 8:52	10/29/2015 5:01	10/29/2015 9:01	272	0	3	-4
B6	915	10/28/2015 16:11	10/28/2015 20:11	10/28/2015 18:45	10/29/2015 1:45	10/28/2015 18:52	10/29/2015 1:52	334	0	-7	-49
B6	916	10/28/2015 17:00	10/29/2015 0:00	10/28/2015 18:05	10/29/2015 5:18	10/29/2015 1:32	10/29/2015 5:32	318	0	37	85
B6	917	10/28/2015 5:56	10/28/2015 9:56	10/28/2015 6:43	10/28/2015 10:43	10/28/2015 6:46	10/28/2015 10:46	47	0	-3	-10
B6	918								1		
B6	927	10/28/2015 15:28	10/28/2015 19:28	10/28/2015 17:55	10/28/2015 21:55	10/28/2015 18:01	10/28/2015 22:01	147	0	26	40
B6	928	10/28/2015 15:33	10/28/2015 19:33	10/28/2015 17:33	10/28/2015 21:33	10/28/2015 17:42	10/28/2015 21:42	120	0	56	45
B6	932	10/28/2015 22:01	10/29/2015 3:01	10/29/2015 2:04	10/29/2015 6:04	10/29/2015 2:10	10/29/2015 6:10	183	0	223	211
B6	948	10/28/2015 23:34	10/29/2015 6:34	10/29/2015 6:58	10/29/2015 10:58	10/29/2015 7:07	10/29/2015 11:07	264	0	6	91
B6	951	10/28/2015 15:04	10/28/2015 19:04	10/28/2015 17:56	10/28/2015 21:56	10/28/2015 18:04	10/28/2015 22:04	172	0	-4	1
B6	952	10/28/2015 16:56	10/28/2015 20:56	10/28/2015 19:42	10/28/2015 23:42	10/28/2015 19:48	10/28/2015 23:48	166	0	25	67
B6	954	10/28/2015 10:53	10/28/2015 14:53	10/28/2015 13:07	10/28/2015 17:07	10/28/2015 13:13	10/28/2015 17:13	134	0	-3	-18
B6	971	10/28/2015 9:52	10/28/2015 13:52	10/28/2015 12:26	10/28/2015 16:26	10/28/2015 12:47	10/28/2015 16:47	154	0	-13	9
B6	972	10/28/2015 8:05	10/28/2015 12:05	10/28/2015 10:19	10/28/2015 14:19	10/28/2015 10:24	10/28/2015 14:24	134	0	-1	10
B6	983	10/29/2015 0:04	10/29/2015 4:04	10/29/2015 2:16	10/29/2015 6:16	10/29/2015 2:25	10/29/2015 6:25	132	0	383	380
B6	984	10/28/2015 19:43	10/28/2015 23:43	10/28/2015 21:08	10/29/2015 1:08	10/28/2015 21:15	10/29/2015 1:15	85	0	113	138
B6	989	10/28/2015 16:35	10/28/2015 20:35	10/28/2015 17:50	10/28/2015 21:50	10/28/2015 17:53	10/28/2015 21:53	75	0	68	62
DL	100	10/28/2015 11:37	10/28/2015 10:37	10/28/2015 14:10	10/28/2015 18:10	10/28/2015 14:18	10/28/2015 18:18	453	0	28	9
DL	101	10/28/2015 22:34	10/29/2015 2:34	10/29/2015 8:49	10/29/2015 11:49	10/29/2015 8:56	10/29/2015 11:56	555	0	9	-14
DL	101	10/28/2015 13:52	10/28/2015 20:52	10/28/2015 20:25	10/29/2015 0:25	10/28/2015 20:31	10/29/2015 0:31	213	0	-1	-28

6. Glossary of Terms

The following is a list of all the standard fields that may be included in a Historical Daily Flight Report. Customers may choose any subset of these to include in their report, as well as request additional custom calculated fields.

Field	Description	Enumerated Values
FlightId	Alphanumeric key for the flight	
AirlineCode	Airline code	
FlightNumber	Flight number	
SchedDepAirport	Scheduled departure airport code	
SchedArrAirport	Schedule arrival airport code	
SchedDepUtc	Schedule departure time (UTC)	
SchedArrUtc	Schedule arrival time (UTC)	
SchedDepLocal	Schedule departure time (local)	
SchedArrLocal	Schedule arrival time (local)	
RecovFlightId	If a Recovery Exists for diverted flight, this is its FlightId	
OpAirlineCode	Airline code for operating flight (only if codeshare)	
OpFlightNumber	Flight number for operating flight (only if codeshare)	
AltDepAirport	Alternate departure airport code (recovery flight)	
AltArrAirport	Alternate arrival airport code (diverted flight)	

RecovFlightId	If a Recovery Exists for diverted flight, this is its FlightId	
OpAirlineCode	Airline code for operating flight (only if codeshare)	
OpFlightNumber	Flight number for operating flight (only if codeshare)	
AltDepAirport	Alternate departure airport code (recovery flight)	
AltArrAirport	Alternate arrival airport code (diverted flight)	
DepTerminal	Departure terminal	
DepGate	Departure gate	
ArrTerminal	Arrival terminal	
ArrGate	Arrival gate	
Baggage	Baggage claim	
ServiceType	Service type	IATA Service Type values
AircraftType	Aircraft type	
Unscheduled	Was this flight in the schedule?	"Y" if not in published schedule; empty otherwise
DepCountryCode	CountryId for departure airport	2-Char Country Codes
ArrCountryCode	CountryId for arrival airport	2-Char Country Codes
TailNumber	Tail number	
RegAirlineCode	Airline code for regional carrier	
RegFlightNumber	Flight number for regional carrier	
NumLegs	Number of flight legs	
SeqNumber	Sequence number of this flight leg	
OrigDate	Origination date (local time)	
OrigDateUtc	Origination date (utc time)	
PrevFltAlCode	Airline code for the previous flight for this aircraft	
PrevFltNumber	Flight number for the previous flight for this aircraft	
PrevFltSchedArrLocal	Scheduled arrival time (local) for the previous flight for this aircraft	
PrevFltSchedArrUtc	Scheduled arrival time (utc) for the previous flight for this aircraft	
OutGateLocal	Time flight departed the gate (local)	
OutGateUtc	Time flight departed the gate (utc)	
OutGateAccuracy	Estimated/Actual	"A" = Actual "E" = Estimated
OutGateSource	Airline/airport or FAA	"A" = Airline Data "F" = FAA data
InAirLocal	Time flight took off (local)	
InAirUtc	Time flight took off (utc)	
InAirAccuracy	Estimated/Actual	"A" = Actual "E" = Estimated
InAirSource	Airline/airport or FAA	"A" = Airline Data "F" = FAA data
LandedLocal	Time flight landed (local)	

LandedUtc	Time flight landed (utc)	
LandedAccuracy	Estimated/Actual	"A" = Actual "E" = Estimated
LandedSource	Airline/airport or FAA	"A" = Airline Data "F" = FAA data
InGateLocal	Time flight arrived at the gate (local)	
InGateUtc	Time flight arrived at the gate (utc)	
InGateAccuracy	Estimated/Actual	"A" = Actual "E" = Estimated
InGateSource	Airline/airport or FAA	"A" = Airline Data "F" = FAA data
RevSchedDepLocal	Schedule departure time (UTC)	
RevSchedDepUtc	Schedule arrival time (UTC)	
RevSchedArrLocal	Schedule departure time (local)	
RevSchedArrUtc	Schedule arrival time (local)	
Suffix	Extra character indicating a second flight with the same flight number and city pair on the same local departure day	
AircraftOwner	Airline code for aircraft owner	
IsGA	Is this a general aviation flight (privately owned/operated aircraft)	"Y" if private aviation flight; empty otherwise
DiversionType	Type of diversion (planned, unplanned, etc)	"N" = Unplanned "P" = Planned "T" = Tech Stop "A" = In Air Return "R" = Recovery "L" = No Longer Diverted
MaxAltitude	Maximum altitude (feet) of flight	
AvgAltitude	Average altitude (feet)	
MaxSpeed	Maximum speed (knots) of flight	
AvgSpeed	Average speed (knots)	
Distance	Great circle distance between SchedDepAirport and SchedArrAirport in nautical miles	Calculated
TimeAloft	Flight Time (minutes) from runway to runway	Calculated
Cancelled	Was this Flight Cancelled?	"1" = yes; "0" = no
ActTaxiTimeDep	Departing taxi time	calculated (InAir – OutGate)
ActTaxiTimeArr	Arriving taxi time	calculated (InGate - Landed)
MinLateDeparted	Minutes flight arrived past scheduled departure time (negative value for early flights)	calculated (OutGate - SchedDep)
MinLateArrived	Minutes flight arrived past scheduled arrival time (negative value for early flights)	calculated (InGate - SchedArr)

NOTE: Not all data elements are available for every flight leg.