FlightStats APIs
Data Dictionary
Fields and Their Definitions
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Field	Type	Description	API End Point(s)
active	Boolean	Boolean value indicating if the airport is currently operational	Delay Index
active	Boolean	Boolean value indicating if the airline is currently active	Flight Alerts
			Flight Schedule
			Flight Track
			Ratings
			Flight Status
active	Boolean	Boolean value indicating if the airport is currently active (Boolean).	Flight Status
			Flight Track
			Flight Alerts
			Flight Schedule
actualEquipment		The equipment that was actually flown (if using the extended options to include inlined references, otherwise the equipment details will be present in the interactive documentation).	Flight Status
actualEquipmentIataCode		The IATA code for the equipment that was actually flown to use as a reference for finding the entry in the interactive documentation (unless the extended option to include inlined references is used)	Flight Status
actualGateArrival		The actual gate arrival time observed.	Flight Status
actualGateDeparture		The actual gate departure time observed.	Flight Status
actualRunwayArrival		The actual runway arrival time observed.	Flight Status
actualRunwayDeparture		The actual runway departure time observed.	Flight Status
airline		Details for the airline operating this flight (if using the extended options to include inlined references, otherwise the airline details will be present in the interactive documentation).	Ratings
airlineFsCode		The FlightStats unique code for the airline to use as a reference for finding the entry in the interactive documentation (unless the extended option to include inlined references is used).	Ratings
airMinutes		The calculated time in the air (runway to runway) in whole minutes (Integer). This will be the actual air time if available,	Flight Status

Field	Type	Description	API End Point(s)
		otherwise it will be the current best estimate.	
airport	String	The airport for which the delay was calculated.	Delay Index
airportResources		Information related to the departure and arrival terminal, gate and baggage.	Flight Status
alertCapabilities		The expected alerting capabilities for the registered rule.	Flight Alerts
allDelayCumulative		How the flight ranks relative to peers on delay performance (better than %).	Ratings
allDelayStars		The rating for this flight's delay performance (0-5 scale) compared to all flights.	Ratings
allOntimeCumulative		How the flight ranks relative to peers on ontime performance (better than %).	Ratings
allOntimeStars		The rating for this flight's ontime performance (0-5 scale) compared to all flights.	Ratings
allStars		The avg of All_ontime_stars and All_delay_stars yielding the overall performance measure of this flight compared to all flights.	Ratings
altitudeFt	Integer	The reported altitude of the aircraft in whole feet above ground	Flight Track
arrival		The local date and time of the arrival in ISO-8601 format. yyyy-MM-dd'T'HH:mm:ss.SSS	Flight Alerts
arrivalAirport		Details for the arrival airport (if using the extended options to include inlined references, otherwise the airport details will be present in the interactive documentation).	Flight Alerts
			Flight Schedule
			Flight Status
			Flight Track
			Ratings
arrivalAirportFsCode		The FlightStats unique code for the arrival airport to use as a reference for finding the entry in the interactive	Flight Alerts

Field	Type	Description	API End Point(s)
		documentation (unless the extended option to include inlined references is used).	
			Flight Schedule
			Flight Status
arrivalAirportFsCode		FlightStats airport code for the new arrival airport.	Flight Track
arrivalAirportFsCode		The FlightStats unique code for the departure airport to use as a reference for finding the entry in the interactive documentation (unless the extended option to include inlined references is used).	Ratings
arrivalDate		The arrival date of the flight in local and UTC time. This value is likely the publishedArrival or scheduledGateArrival value, but could be some other operational value.	Flight Status
arrivalDate		The arrival date of the flight in local and UTC time. This value is likely the publishedArrival or scheduledGateArrival value, but could be some other operational value.	Flight Status
arrivalGate		The gate into which the flight arrived or will arrive.	Flight Status
arrivalGateChange	Boolean	The likely chance that arrival gate changes will be detected	Flight Alerts
arrivalGateDelayMinutes	Integer	Calculated gate arrival delay in whole minutes.	Flight Status
arrivalRunwayDelayMinutes	Integer	Calculated runway arrival delay in whole minutes.	Flight Status
arrivalTerminal		The terminal into which the flight arrived or will arrive.	Flight Schedule
			Flight Status
arrivalTime		The published arrival time (local to the airport) for the flight provided by the airline's operating schedule.	Flight Schedule
baggage	Boolean	The likely chance that baggage information will be detected	Flight Alerts
baggage		The baggage claim information for the	Flight Status

Field	Type	Description	API End Point(s)
		arrival.	
base	Integer	Cloud layer base (feet above ground level).	Airport Weather (Metar)
			Airport Weather (TAF)
bearing	Double	The bearing of the plane in decimal degrees from magnetic north	Flight Track
blockMinutes	Integer	The calculated time between blocks (actual gate to gate times) in whole minutes. This will be the actual block time, if available.	Flight Status
callsign	String	The callsign of the flight	Flight Track
canceled	Integer	The count of flights at the airport for the given time window that were canceled.	Delay Index
cancelled	Integer	The number of observations cancelled.	Ratings
carrier		Details for the carrier (if using the extended options to include inlined references, otherwise the carrier details will be present in the interactive documentation).	Flight Alerts
carrier		Details for the operating carrier of the flight (if using the extended options to include inlined references, otherwise the airline details will be present in the interactive documentation).	Flight Schedule
carrier		Details for the codeshare carrier (if using the extended options to include inlined references, otherwise the airline details will be present in the interactive documentation).	Flight Status
carrier		Details for the operating carrier of the flight (if using the extended options to include inlined references, otherwise the airline details will be present in the interactive documentation).	Flight Status
carrier		Details for the operating carrier of the flight (if using the extended options to include inlined references, otherwise the airline details will be present in the	Flight Track

Field	Type	Description	API End Point(s)
		interactive documentation).	
carrierFsCode	String	The FlightStats unique code for the carrier to use as a reference for finding the entry in the interactive documentation (unless the extended option to include inlined references is used).	Flight Alerts
			Flight Schedule
			Flight Status
			Flight Track
category		The category of operation of the airline.	Flight Alerts
			Flight Schedule
			Flight Status
			Flight Track
			Ratings
cavok	Boolean	Boolean value indicating "Ceiling and Visibility OK" (abbreviated "CAVOK").	Airport Weather (Metar)
			Airport Weather (TAF)
cities		List of cities within the zone.	Airport Weather (Zone Forecast)
city	String	City name.	Airport Weather (Zone Forecast)
city	String	The city with which the airport is associated	Delay Index
			Flight Alerts
			Flight Schedule
			Flight Status
			Flight Track
			Ratings
cityCode	String	The city code with which the airport is associated	Delay Index
			Flight Alerts
			Flight Schedule
			Flight Status

Field	Type	Description	API End Point(s)
			Flight Track
			Ratings
classification	Integer	The FlightStats classification of the airport, 1(max) to 5(min).	Delay Index
			Flight Alerts
			Flight Schedule
			Flight Status
			Flight Track
			Ratings
codeshare		codeshare for this operated flight.	Flight Schedule
			Flight Status
codeshares		Any codeshares for this operated flight. Codeshares are only possible if this flight leg is not itself a codeshare (the codeshare field must be false).	Flight Schedule
codeshares		Any codeshare information known for the flight.	Flight Status
codeshares	Integer	The number of codeshare observations in the rating.	Ratings
conditions		Primary group of weather conditions	Airport Weather (Metar)
			Airport Weather (TAF)
confirmedIncident		A confirmed incident for this flight.	Flight Status
countryCode	String	The code for the country in which the airport is located	Delay Index
			Flight Alerts
			Flight Schedule
			Flight Status
			Flight Track
			Ratings
			Delay Index
			Flight Alerts
			Flight Schedule
			Flight Status
			Flight Track
			Ratings
course	Integer	The direction of travel in degrees relative to geographic north, clockwise (Integer).	Flight Track

Field	Type	Description	API End Point(s)
		The range for this data field is -179 to 180.	
coverage		Degree of coverage from this obscuration.	Airport Weather (Metar)
			Airport Weather (TAF)
date		The UTC date and time in ISO-8601 format (yyyy-MM-dd'T'HH:mm:ss.SSSZ).	Flight Track
dateEnd		The date and time (UTC) of the end of the window for the current delay calculation in ISO-8601 format. yyyy-MM-ddTHH:mm:ss.SSSZ	Delay Index
dateLocal		The local date and time of the departure in ISO-8601 format. yyyy-MM-dd'T'HH:mm:ss.SSS	Flight Status
dateStart		The date and time (UTC) of the start of the window for the current delay calculation in ISO-8601 format. yyyy-MM-ddTHH:mm:ss.SSSZ	Delay Index
dateUtc		The UTC date and time of the departure in ISO-8601 format. yyyy-MM-dd'T'HH:mm:ss.SSSZ	Flight Status
dateUtc		The UTC date and time in ISO-8601 format when this irregular operation information was made available to FlightStats. yyyy-MM-dd'T'HH:mm:ss.SSSZ	Flight Track
day	String	Day name for this forecast section. Can be a day of week name (e.g. "Monday" or "Monday night"), a day number (e.g. "Day three"), or one of several idiomatic expressions ("Today", "Tonight", "Rest of the afternoon", etc.)	Airport Weather (Zone Forecast)
dayForecast		Entry for a day forecast.	Airport Weather (Zone Forecast)
dayForecasts		List of day forecasts contained in the report.	Airport Weather (Zone Forecast)

Field	Type	Description	API End Point(s)
delayed15	Integer	The count of flights at the airport for the given time window that are currently expected to be delayed between 15 and 30 minutes.	Delay Index
delayed30	Integer	The count of flights at the airport for the given time window that are currently expected to be delayed between 30 and 45 minutes.	Delay Index
delayed45	Integer	The count of flights at the airport for the given time window that are currently expected to be delayed more than 45 minutes.	Delay Index
delayIndexUrl	String	URL for the DelayIndex service with current delay information computed for the Airport	Flight Status
			Flight Track
delayMax	Integer	The maximum delay value observed.	Ratings
delayMean	Double	The mean delay.	Ratings
delayMin	Integer	The minimum delay value observed.	Ratings
delayMinutes		A simple measure of relative flight delay in minutes for visualization purposes. The value given depends on available data and is selected with the following precedence order: arrival gate delay, arrival runway delay, departure runway delay, departure gate delay. More comprehensive flight data is available via the FlightStatus calls.	Flight Track
delayObservations	Integer	The number of observations that arrived later than scheduled time (> 1 minute late).	Ratings
delays		Any calculated delays for the flight based on operational times (scheduled, estimated and actual).	Flight Status
			Flight Status
delayStandardDeviation	Double	The standard deviation of the delay.	Ratings

Field	Type	Description	API End Point(s)
delivery		Holder element for the alert delivery configuration - JSON or XML.	Flight Alerts
delta	Double	The percentage change in normalized score from the last period based on current observations. Positive values indicate worsening conditions, while negative values indicate improving conditions.	Delay Index
departure		The local date and time of the departure in ISO-8601 format. yyyy-MM-dd'T'HH:mm:ss.SSS	Flight Alerts
departureAirport		Details for the departure airport (if using the extended options to include inlined references, otherwise the airport details will be present in the interactive documentation)	Flight Alerts
			Flight Schedule
			Flight Status
			Flight Track
			Ratings
departureAirportFsCode		The FlightStats unique code for the departure airport to use as a reference for finding the entry in the interactive documentation (unless the extended option to include inlined references is used).	Flight Alerts
			Flight Schedule
			Flight Status
			Flight Track
			Ratings
departureDate		The departure date of the flight in local and UTC time. This value is likely the publishedDeparture or scheduledGateDeparture value, but could be some other operational value.	Flight Status
			Flight Status

Field	Type	Description	API End Point(s)
departureDate		The scheduled departure date of the flight in local and UTC time.	Flight Track
departureGate		The gate from which the flight departed or will depart.	Flight Status
departureGateChange	Boolean	The likely chance that departure gate changes will be detected	Flight Alerts
departureGateDelayMinutes	Integer	Calculated gate departure delay in whole minutes.	Flight Status
departureRunwayDelayMinutes	Integer	Calculated runway departure delay in whole minutes.	Flight Status
departureTerminal		The terminal from which the flight departed or will depart.	Flight Schedule
departureTerminal			Flight Status
departureTime		The published departure time (local to the airport) for the flight provided by the airline's operating schedule.	Flight Schedule
description	String	The supplied description of this rule, if any.	Flight Alerts
descriptor		Descriptor of this weather condition, indicating phenomenon characteristics. Possible values: "Shallow", "Blowing", "Patches", "Showers", "Partial", "Drifting", "Thunderstorm", "Freezing".	Airport Weather (Metar)
			Airport Weather (TAF)
destination	String	The destination URL to which alerts will be posted	Flight Alerts
dewPoint	Double	Dew point temperature (degrees celsius/centigrade).	Airport Weather (Metar)
direction	Integer	Wind direction (degrees counter-clockwise from north).	Airport Weather (Metar)
			Airport Weather (TAF)
directionIsVariable	Boolean	Boolean value indicating whether wind direction is variable.	Airport Weather (Metar)
			Airport Weather (TAF)
directionMax	Integer	Maximum wind direction, for variable wind (degrees counter-clockwise from north).	Airport Weather (Metar)

Field	Type	Description	API End Point(s)
			Airport Weather (TAF)
directionMin	Integer	Minimum wind direction, for variable wind (degrees counter-clockwise from north).	Airport Weather (Metar)
			Airport Weather (TAF)
directs	String	The number of direct flights in the rating.	Ratings
district	String	The district of the city in which the airport is located	Delay Index
			Flight Alerts
			Flight Schedule
			Flight Status
			Flight Track
			Ratings
diverted	Integer	The number of observations diverted.	Ratings
divertedAirport		Details for the airport to which the flight was diverted, if any (if using the extended options to include inlined references, otherwise the airport details will be present in the interactive documentation)	Flight Status
divertedAirportFsCode		The FlightStats unique code for the airport to which the flight was diverted, if any, to use as a reference for finding the entry in the interactive documentation (unless the extended option to include inlined references is used).	Flight Status
downline		A flight on this route that occurs downstream.	Flight Status
downlines		Flights on this route that occur downstream of this one (in order). For example a route that flies from SFO to LAX to JFK to LHR would have JFK and LHR downstream of the SFO to LAX flight.	Flight Status
elevationFeet	Integer	The elevation above sea level of the airport in feet	Delay Index
			Flight Alerts

Field	Type	Description	API End Point(s)
			Flight Schedule
			Flight Status
			Flight Track
			Ratings
end		End of the valid period for this forecast (UTC).	Airport Weather (TAF)
end		End of the valid period for this forecast (local time).	Airport Weather (Zone Forecast)
equipment		The equipment type operated for the flight if known. This may be an IATA code, ICAO code, or other representation.	Flight Track
estimatedGateArrival		An estimated gate arrival time based on current observations.	Flight Status
estimatedGateDeparture		An estimated gate departure time based on current observations.	Flight Status
estimatedRunwayArrival		An estimated runway arrival time based on current observations.	Flight Status
estimatedRunwayDeparture		An estimated runway departure time based on current observations.	Flight Status
faa	String	The FAA code for the airport	Delay Index
			Flight Alerts
			Flight Schedule
			Flight Status
			Flight Track
			Ratings
field		The short name of representing the field that was changed.	Flight Status
flightDurations		Calculated flight durations based on operational times (scheduled, estimated and actual).	Flight Status
flightEquipment		The equipment scheduled to be flown (if using the extended options to include inlined references, otherwise the equipment details will be present in the interactive documentation).	Flight Schedule
flightEquipment		Information about the equipment used for this flight.	Flight Status
flightEquipmentIataCode		The IATA code for the equipment	Flight Schedule

Field	Type	Description	API End Point(s)
		scheduled to be flown to use as a reference for finding the entry in the interactive documentation (unless the extended option to include inlined references is used)	
flightId		The unique FlightStats identifier for a flight that is linked to the current flight due to an operational need such as a replacement for a canceled flight.	Flight Status
flightId	String	The unique identifier for the flight	Flight Track
flightNumber		The flight identification number and any additional characters	Flight Alerts
flightNumber		Flight Number assigned by the operating carrier.	Flight Schedule
flightNumber		The flight number marketed by the codeshare partner.	Flight Schedule
flightNumber	String	The flight identification number and any additional characters	Flight Schedule
			Flight Status
			Flight Track
flightNumber		The flight identifier of the flight, typically a number.	Ratings
flightPlanPlannedArrival		The arrival time that was filed with the flight plan.	Flight Status
flightPlanPlannedDeparture		The departure time that was filed with the flight plan.	Flight Status
flights	Integer	The count of all known flights at the airport for the given time window (whether tracked or not).	Delay Index
flightStatusUpdate		A set of changes applied to this status as a result of updated information.	Flight Status
flightStatusUpdates		Contains a list of all updates that have occurred to this flight status since it was originally published.	Flight Status
flightTrack		Holder element for all status fields related to a flight	Flight Track
flightType		The scheduled service type of the flight (IATA).	Flight Status
forecast		Entry for a forecast	Airport Weather (TAF)
forecast		Weather forecast details.	Airport Weather

Field	Type	Description	API End Point(s)
			(Zone Forecast)
forecasts		List of forecasts contained in the report.	Airport Weather (TAF)
format		The format of the message that will be delivered, JSON or XML.	Flight Alerts
fs	String	The FlightStats code for the airport, globally unique across time	Delay Index
			Flight Status
			Flight Alerts
			Ratings
fs	String	The FlightStats code for the carrier, globally unique across time	Flight Alerts
			Flight Schedule
			Flight Track
			Ratings
fsCode		The FlightStats unique code for the departure airport of the upline flight to use as a reference for finding the entry in the interactive documentation (unless the extended option to include inlined references is used).	Flight Status
gateArrival	Boolean	The likely chance that flight gate arrival will be detected	Flight Alerts
gateDeparture	Boolean	The likely chance that flight gate departure will be detected	Flight Alerts
general		"General" section of the original forecast, providing various kinds of top-level data.	Airport Weather (Zone Forecast)
gustSpeedKnots	Integer	Wind gust speed (knots).	Airport Weather (Metar)
			Airport Weather (TAF)
header		"Header" section of the original forecast, listing zone names, cities, time, and sometimes other information such as advisories.	Airport Weather (Zone Forecast)

Field	Type	Description	API End Point(s)
heading	Double	The current heading of the plane in decimal degrees from magnetic north (Double). This is only available if there is more than one position in the track.	Flight Track
height	Integer	Height of the obscuration (feet above ground level).	Airport Weather (Metar)
highestVisibility	Integer	Upper bound on horizontal visibility for this runway (meters).	Airport Weather (Metar)
iata	String	The IATA code for the airport	Delay Index
			Flight Alerts
			Flight Schedule
			Flight Track
			Ratings
iata	String	The IATA code for the carrier	Flight Alerts
			Flight Status
			Ratings
			Flight Schedule
			Flight Track
iata	String	The IATA code for the equipment type.	Flight Schedule
icao	String	The ICAO code for the airport	Delay Index
			Flight Alerts
			Flight Schedule
			Flight Track
			Ratings
icao	String	The ICAO code for the carrier	Flight Alerts
			Flight Schedule
			Flight Status
			Flight Track
			Ratings
id	Integer	The id of the rule to be used for retrieval or deletion.	Flight Alerts
intensity	String	Intensity of the phenomenon: "Light", "Moderate", "Heavy", or "Vicinity".	Airport Weather (Metar)
			Airport Weather (TAF)
irregularOperation		An irregular operation that occurred for this flight.	Flight Status

Field	Type	Description	API End Point(s)
			Flight Status
			Flight Track
irregularOperations		The list of all irregular operations that have occurred for this flight.	Flight Status
			Flight Status
			Flight Track
isCodeshare	Boolean	Boolean value indicating if the marketed flight is a codeshare	Flight Schedule
isWetlease	Boolean	Boolean value indicating if the marketed flight is a wetlease	Flight Schedule
jet	Boolean	Boolean value indicating if the equipment type uses jet propulsion	Flight Schedule
			Flight Status
key		Tag key	Airport Weather (Metar)
key		Tag key; currently "Prevailing conditions" is the only possible key.	Airport Weather (Zone Forecast)
lastObserved		The UTC timestamp of when FlightStats last received an observed position in ISO-8601 format (yyyy-MM-dd'T'HH:mm:ss.SSSZ). In cases where no observed positions are provided for a flight, this field will not be present. The 'date' field in each of the positions blocks identifies the time when the plane is believed to be at that specific location -- either observed or calculated. FlightStats continues to calculate the position even when no additional observed data is provided. In such cases, there will be a difference between date and lastObserved, a gap that increases as the flight continues.	Flight Track

Field	Type	Description	API End Point(s)
lat	Double	The reported latitude of the position in decimal degrees	Flight Track
late15	Integer	The number of observations classified as "late" (15 - 29 minutes).	Ratings
late30	Integer	The number of observations classified as "very late" (30 - 44 minutes).	Ratings
late45	Integer	The number of observations classified as "excessively late" (45 + minutes).	Ratings
latitude	Double	The latitude of the airport in decimal degrees	Delay Index
			Flight Alerts
			Flight Schedule
			Flight Status
			Flight Track
			Ratings
legacyRoute	String	The legacy route from the flight plan if requested and available (String). NOTE: spaces/line breaks added to example data for readability.	Flight Track
lessThan	Boolean	Boolean value indicating that the actual visibility is *less than* the number of miles stated.	Airport Weather (Metar)
			Airport Weather (TAF)
localTime		The local time at the Airport when the request was made in ISO-8601 format. yyyy-MM-dd'T'HH:mm:ss.SSS.	Delay Index
			Flight Alerts
			Flight Schedule
			Flight Status
			Flight Track

Field	Type	Description	API End Point(s)
			Ratings
lon	Double	The longitude of the waypoint.	Flight Track
longitude	Double	The longitude of the airport in decimal degrees	Delay Index
			Flight Alerts
			Flight Schedule
			Flight Status
			Flight Track
			Ratings
lowestVisibility		Lower bound on horizontal visibility for this runway (meters).	Airport Weather (Metar)
message	String	A text description of the incident.	Flight Status
message	String	A message providing a description of this irregular operation as provided by the airline or other data source.	Flight Track
metar		Holder element for a METAR report	Airport Weather (Metar)
miles	Double	Horizontal visibility in statute miles. Generally the only reason for this field not to be present is if cavok is true, implying unimpeded visibility without a specific numeric measurement.	Airport Weather (Metar)
			Airport Weather (TAF)
modifier		Sky condition modifier	Airport Weather (Metar)
modifier		Modifier text for this RVR.	Airport Weather (Metar)
modifier		Sky condition modifier	Airport Weather (TAF)
name	String	The name of the airport	Delay Index
			Flight Alerts
			Flight Schedule
name	String	The descriptive name for the equipment type.	Flight Schedule
			Flight Status
name	String	The name of the airport	Flight Status
			Ratings

Field	Type	Description	API End Point(s)
name	String	The name of the carrier	Flight Schedule
			Flight Status
			Flight Track
			Ratings
			Flight Alerts
nameValue		Holder for a custom name/value pair.	Flight Alerts
nameValues		Holder for any custom name/value pairs registered with the rule.	Flight Alerts
newArrivalAirportFsCode		FlightStats airport code for the new arrival airport.	Flight Status
			Flight Track
newDateLocal		The local date and time in ISO-8601 format (yyyy-MM-dd'T'HH:mm:ss.SSS). If this field is omitted it means that the value was removed as a result of the update.	Flight Status
newText		The new value of the field. If this field is omitted it means that the value was removed as a result of the update.	Flight Status
normalizedScore		The normalized delay score, from 0 to 5 in increments of .25 (where 5 is maximum delay).	Delay Index
noSignificantChange	Boolean	Boolean value indicating that no significant change is expected to the reported conditions within the next 2 hours.	Airport Weather (Metar)
obscuration		Entry for an obscuration.	Airport Weather (Metar)
obscurations		List of obscurations described by the report.	Airport Weather (Metar)
observations	Integer	The count of flights at the airport for the given time window that are included in the delay calculation (scheduled/tracked flights).	Delay Index
observations	Integer	The number of observations in the sample for ontime performance.	Ratings
observationTime		Timestamp of the observations the report is based on (UTC).	Airport Weather (TAF)
onTime	Integer	The count of flights at the airport for the given time window that are currently	Delay Index

Field	Type	Description	API End Point(s)
		expected to be on-time.	
ontime	Integer	The number of observations classified as "ontime" (<15 minutes late).	Ratings
ontimePercent	Double	The percent of ontime observations.	Ratings
operatingCarrier		Indicates which carrier is operating the flight - either the primary carrier or a wet lease operator (unless the extended option to include inlined references is used).	Flight Status
operatingCarrierFsCode		The FlightStats unique code for the operating carrier to use as a reference for finding the entry in the interactive documentation (unless the extended option to include inlined references is used).	Flight Status
operationalTimes		The operational and scheduled times for the flight.	Flight Status
			Flight Status
operator		The operator's flight information, which appears only when the marketed flight is a codeshare	Flight Schedule
originalDateLocal		The local date and time in ISO-8601 format (yyyy-MM-dd'T'HH:mm:ss.SSS). This will be present only if the field original had a value to be replaced.	Flight Status
originalText		The original field value that was updated. This will be present only if the field original had a value to be replaced.	Flight Status
phase		Description used to indicate the most likely activity of the plane at a given time. Phases include: taxiing, takeoff, landed, landing, climbing, descending, level, cruising, approach, ground, departure. Not all positions will include a phase.	Flight Track
phenomenon		Primary phenomenon present in this obscuration. Possible values	Airport Weather (Metar)

Field	Type	Description	API End Point(s)
			Airport Weather (TAF)
phoneNumber	String	The primary customer service phone number for the carrier	Flight Alerts
			Flight Schedule
			Flight Status
			Flight Track
			Ratings
position		A recent position reported for the flight.	Flight Track
positions		The recent track of positions reported for the flight.	Flight Track
postalCode	String	The postal code in which the airport resides	Delay Index
			Flight Alerts
			Flight Schedule
			Flight Status
			Flight Track
			Ratings
pressureInchesHg	Double	Atmospheric pressure (inches of mercury).	Airport Weather (Metar)
			Airport Weather (TAF)
primaryCarrier		Each flight has one primary carrier. All other carriers associated with a flight are considered either marketing codeshare carriers or a wet lease operator. The FlightStats unique code for the primary carrier can be used as a reference for finding the entry in the interactive documentation (unless the extended option to include inlined references is used).	Flight Status
primaryCarrierFsCode		The FlightStats unique code for the primary carrier to use as a reference for finding the entry in the interactive documentation (unless the extended option to include inlined references is used).	Flight Status

Field	Type	Description	API End Point(s)
probability	Integer	Probability (percentage) associated with this forecast. Most of the time, the only values used are 30% and 40%.	Airport Weather (TAF)
publishedArrival		The published arrival time for the flight provided by the airline's published operating schedule.	Flight Status
publishedDate		The date of the confirmed incident or the date of the last update to the confirmed incident.	Flight Status
publishedDeparture		The published departure time for the flight provided by the airline's published operating schedule.	Flight Status
rating		Holder element for a flight rating	Ratings
rawScore	Double	A raw delay score for the airport based on the number of observations, departure delays, cancellations, and the time of day at the airport	Delay Index
referenceCode		Reference code for FlightStats' troubleshooting purposes.	Flight Schedule
regional	Boolean	Boolean value indicating if the equipment type is a regional airframe	Flight Schedule
			Flight Status
regionName	String	The name of the region in which the Airport is located	Delay Index
			Flight Alerts
			Flight Schedule
			Flight Status
			Flight Track
			Ratings
relatedFlightId		The unique FlightStats identifier for a flight that is linked to the current flight due to an operational need such as a replacement for a canceled flight.	Flight Status
			Flight Track

Field	Type	Description	API End Point(s)
relationship		The codeshare relationship between this carrier and the operating carrier	Flight Status
report	String	Original METAR report text.	Airport Weather (Metar)
report	String	Original TAF report text.	Airport Weather (TAF)
reportModifier		Modifier string for this report. Could be "Amendment" or "Correction".	Airport Weather (Metar)
reportTime		Time the report was issued by the weather station (UTC).	Airport Weather (Metar)
			Airport Weather (TAF)
reportTime		Timestamp for when the forecast was produced.	Airport Weather (Zone Forecast)
reportType		Type of report: "Normal", "Amendment", or "Correction".	Airport Weather (TAF)
restrictions		IATA restrictions imposed on the flight.	Flight Status
rule		Holder element for an Alert Rule.	Flight Alerts
ruleEvent		An event rule to trigger an alert on.	Flight Alerts
ruleEvents		Holder for the event rules that will trigger alerts.	Flight Alerts
runwayArrival	Boolean	The likely chance that flight runway arrival will be detected	Flight Alerts
runwayDeparture	Boolean	The likely chance that flight runway departure will be detected	Flight Alerts
runwayNumber		Runway number for this RVR.	Airport Weather (Metar)
runwayVisualRange		Entry for a runway visual range (RVR), describing horizontal visibility.	Airport Weather (Metar)
runwayVisualRanges		List of runway visual ranges described by the report.	Airport Weather (Metar)
schedule		Schedule information for the flight.	Flight Status
			Flight Status
scheduledAirMinutes		The calculated scheduled time in the air (runway to runway) in whole minutes.	Flight Status
scheduledBlockMinutes		The calculated scheduled time between blocks (gate to gate) in whole minutes.	Flight Status

Field	Type	Description	API End Point(s)
scheduledEquipment		The equipment that was scheduled to be flown (if using the extended options to include inlined references, otherwise the equipment details will be present in the interactive documentation).	Flight Status
scheduledEquipmentIataCode		The IATA code for the equipment that was scheduled to be flown to use as a reference for finding the entry in the interactive documentation (unless the extended option to include inlined references is used)	Flight Status
scheduledFlight		Holder element for a scheduled flight	Flight Schedule
scheduledGateArrival		The scheduled gate arrival time for the flight. Initially, it's the same as the published arrival, but may be updated if a change is detected.	Flight Status
scheduledGateDeparture		The scheduled gate departure for the flight. Initially, it's the same as the published departure, but may be updated if a change is detected.	Flight Status
scheduledTaxiInMinutes		The calculated scheduled time for the plane to land and taxi in (runway to gate) in whole minutes.	Flight Status
scheduledTaxiOutMinutes	Integer	The calculated scheduled time for the plane to taxi out and take off (gate to runway) in whole minutes.	Flight Status
serviceClass		IATA service class offered for the flight.	Flight Schedule
serviceClasses	String	IATA service classes offered for the flight.	Flight Schedule
			Flight Status
serviceType		The type of service offered for the flight	Flight Schedule
skyCondition		Entry for a sky condition.	Airport Weather (Metar)
			Airport Weather (TAF)
skyConditions		List of all sky conditions described by the report.	Airport Weather (Metar)
			Airport Weather (TAF)

Field	Type	Description	API End Point(s)
source	String	Textual description of the source of this flight status update information.	Flight Status
			Flight Track
speedKnots	Integer	Wind speed (knots).	Airport Weather (Metar)
			Airport Weather (TAF)
speedMph	integer	The reported speed of the aircraft at the time of the reading in whole miles per hour	Flight Track
start		Start of the valid period for this forecast (UTC).	Airport Weather (TAF)
start		Start of the valid period for this forecast (local time).	Airport Weather (Zone Forecast)
stateCode	String	The State in which the airport is located	Delay Index
			Flight Alerts
			Flight Schedule
			Flight Status
			Flight Track
			Ratings
stationID		The station identifier used by the FAA for ASDI data. Examples: KZLA, KZAB, KZDV. The ASDI stream consists of a collection of observations from different regional and national tracking systems. Each of these has a separate stationId. A single aircraft may be observed by multiple stations at once, each of which may report a slightly different position due to the inherent inaccuracy of radar. Because of this, trackers showing ASDI streams should either show all signals separately, maintain an affinity between a callsign and single stationId as long as possible, or integrate the different signals.	Flight Track

Field	Type	Description	API End Point(s)
status		The current status of the flight.	Flight Status
stops	Integer	The number of stops between the departure and arrival airport. This will always be 0 unless the extended option "includeDirects" is specified.	Flight Schedule
street1	String	The street address of the airport, part 1	Delay Index
			Flight Alerts
			Flight Schedule
			Flight Status
			Flight Track
			Ratings
street2	String	The street address of the airport, part 2.	Delay Index
			Flight Alerts
			Flight Schedule
			Flight Status
			Flight Track
			Ratings
taf		Holder element for a TAF report	Airport Weather (TAF)
tag		Tag entry	Airport Weather (Metar)
tag		Tag field	Airport Weather (Zone Forecast)
tags		Additional tag fields to help assess weather severity.	Airport Weather (Metar)
tailNumber	String	The tail number of the equipment for the flight.	Flight Status
			Flight Track

Field	Type	Description	API End Point(s)
taxiInMinutes	Integer	The calculated time for the plane to land and taxi in (runway to gate) in whole minutes (Integer). This will be the actual taxi in time if available, otherwise it will be the current best estimate.	Flight Status
taxiOutMinutes	Integer	The calculated scheduled time for the plane to taxi out and take off (gate to runway) in whole minutes.	Flight Status
temperatureCelsius	Double	Temperature (degrees celsius/centigrade).	Airport Weather (Metar)
timeZoneRegionName	String	The name of the Time Zone region in which the Airport is located	Delay Index
			Flight Alerts
			Flight Schedule
			Flight Status
			Flight Track
			Ratings
trafficRestriction		IATA restriction imposed on the flight. (One-letter string)	Flight Schedule
trafficRestrictions		IATA restrictions imposed on the flight.	Flight Schedule
turboProp	Boolean	Boolean value indicating if the equipment type uses TurboProp propulsion	Flight Schedule
			Flight Status
type		Type of forecast. Possible values	Airport Weather (TAF)
type		The type of the event to trigger an alert on.	Flight Alerts
type		The type of the irregular operation.	Flight Status
			Flight Track
updatedAt		The date and time at which this change was applied (only UTC time is given).	Flight Status
updatedDateField		A single date field updated.	Flight Status
			Flight Status
updatedDateFields		A list of date fields that were modified as part of the update.	Flight Status
			Flight Status
updatedTextField		A single text field updated.	Flight Status

Field	Type	Description	API End Point(s)
			Flight Status
updatedTextFields		A list of text fields that were modified as part of the update.	Flight Status
			Flight Status
upline		A flight on this route that occurs upstream.	Flight Status
uplines		Flights on this route that occur upstream of this one (in order). For example a route that flies from SFO to LAX to JFK to LHR would have SFO and LAX upstream of the JFK to LHR flight.	Flight Status
utcOffsetHours	Double	The current UTC offset at the Airport when the request was made	Delay Index
			Flight Alerts
			Flight Schedule
			Flight Status
			Flight Track
			Ratings
value	String	Tag value for prevailing condtions	Airport Weather (Metar)
			Airport Weather (Zone Forecast)
value		Configured parameter value for events that accept or require additional specification.	Flight Alerts
visibility		Horizontal visibility object	Airport Weather (Metar)
visibility	Integer	Horizontal visibility in statute miles.	Airport Weather (TAF)
vrateMps	Integer	The velocity of ascent or descent (if negative) in meters per second	Flight Track
waypoint		A waypoint from the flight plan.	Flight Track
waypoints		The list of waypoints from the flight plan if requested and available.	Flight Track
weatherCondition		Entry for a weather condition.	Airport Weather (Metar)
			Airport Weather (TAF)

Field	Type	Description	API End Point(s)
weatherConditions		List of all weather conditions described by the report.	Airport Weather (Metar)
			Airport Weather (TAF)
weatherStationIcao	String	ICAO code of the weather station issuing the report. This is not the same as the ICAO code of the nearest airport.	Airport Weather (Metar)
			Airport Weather (TAF)
weatherUrl	String	URL for the Weather service with current weather data for the Airport	Delay Index
			Flight Status
			Flight Track
weatherZone	String	The NOAA weather zone (US only) in which the Airport is located	Delay Index
			Flight Alerts
			Flight Schedule
			Flight Status
			Flight Track
			Ratings
widebody	Boolean	Boolean value indicating if the equipment type is a wide-body airframe	Flight Schedule
			Flight Status
wind		Wind information	Airport Weather (Metar)
			Airport Weather (TAF)
zone		Timestamp of the observations the report is based on (UTC).	Airport Weather (Zone Forecast)
zoneForecast		Holder element for a zone forecast report	Airport Weather (Zone Forecast)
zoneName	String	Zone name.	Airport Weather (Zone Forecast)
zoneNames		List of zone names, for zones included in this report	Airport Weather (Zone Forecast)
zones		List of zones the forecast applies to.	Airport Weather (Zone Forecast)

Reference Tables

The flight status code classifications:

Status
• A (Active)
• C (Cancelled)
• D (Diverted)
• DN (Data Source Neeed)
• L (Landed)
• NO (Not Operational)
• R (Redirected)
• S (Scheduled)
• U (Unknown)

Carrier category classifies airlines as follows:

Carrier category
• A (Scheduled Passenger Carrier)
• B (Non-scheduled Passenger Carrier)
• C (Scheduled Cargo Carrier)
• D (Non-Scheduled Cargo Carrier)
• I (Scheduled Passenger / Cargo Carrier)
• J (Non-scheduled Passenger / Cargo Carrier)
• K (Railway Service)

The UN region where the airport is located. Regions are one of the following:

Region
• Africa
• Antarctica
• Asia
• Europe
• Latin America and the Caribbean
• North America
• Oceania

Degree of coverage from observed obscuration:

Coverage
• Few clouds
• Scattered clouds
• Broken clouds
• Overcast
• Vertical Visibility
• Sky clear
• No significant clouds
• Clear

The possible prevailing conditions values for the forecast value tag:

Prevailing condtions
• Hurricane
• Tornado
• Volcanic Ash
• Ice
• Thunderstorms
• Snow
• Dust / Sand Storms
• Fog
• Smoke
• Patchy Fog
• Windy
• Breezy
• Rain
• High Chance of Rain
• Showers
• Low Chance of Showers
• Cloudy
• Partly Cloudy
• Smog
• Mostly Clear
• Clear
• Partly Sunny
• Sunny

The types of irregular operations:

Irregular operations	
• CANCELLATION	Flight has been cancelled for any reason.
• CONTINUATION_OF	Identifies a linked flight that this flight is a continuation of. Typically a continuation occurs when a flight is diverted to an alternate destination airport in order to get passengers to their scheduled destination.
• CONTINUED_BY	Identifies a linked flight which will be a continuation of this one. Typically a continuation occurs when a flight is diverted to an alternate destination airport in order to get passengers to their scheduled destination.
• DIVERSION	Flight is directed to land at a different airport than its scheduled destination.
• FLOWN_OVER	A fly-over occurs when a plane flying a route comprised of multiple stops skips one or more of the scheduled stops for some reason. The FLOWN_OVER type indicates that the flight in question is not expected to occur because the plane flying the route will not stop at the departure airport specified.
• FLYOVER	A fly-over occurs when a plane flying a route comprised of multiple stops skips one or more of the scheduled stops for some reason. The FLY_OVER type indicates that the flight in question will not stop at one of the scheduled destinations.
• MISCELLANEOUS	An irregular operation that does not qualify as one of the other identified types listed here.
• REINSTATEMENT	A flight was cancelled for a period of time and subsequently reinstated to operational status.
• REPLACED_BY	Any flight that is cancelled or does not operate for some reason may be replaced by another flight. Provides linking information for the flight that has replaced this one.
• REPLACEMENT_FOR	Identifies this as a flight that replaced some other flight. Provides linking information for the flight that was replaced by this one.
• RETURN_TO_GATE	Flight backed away from the gate and started to taxi, does not take off, and returns to gate.
• RETURN_FROM_AIRBORNE	Flight has taken off and is
• CONTINUED_BY	Identifies a linked flight which will be a continuation

	of this one. Typically a continuation occurs when a flight is diverted to an alternate destination airport in order to get passengers to their scheduled destination.
• DIVERSION	Flight is directed to land at a different airport than its scheduled destination.
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• CONTINUED_BY	Identifies a linked flight which will be a continuation of this one. Typically a continuation occurs when a flight is diverted to an alternate destination airport in order to get passengers to their scheduled destination.

Types of flight status update field values:

Status update field values	
• STS	The status of the flight
• DGT	The departure gate
• DTM	The departure terminal
• AGT	The arrival gate
• ATM	The arrival terminal
• DIV	The airport for a diversion
• BGG	The baggage claim information
• TAL	The tail number of the flight
• SQP	The scheduled IATA aircraft type code (used to populate the scheduled equipment)
• AQP	The actual IATA aircraft type code (used to populate the actual equipment)

Types of forecast values:

Forecast values	
• Base	The base forecast for the period covered by this TAF
• From	Prevailing conditions changing rapidly (within the span of about an hour) and continuing until end of forecast or further changes.
• Temporary	Temporary conditions generally expected to last less than an hour at a time, and taking up less than half of the indicated time period. Base conditions continue to apply unless overridden.
• Becoming	Prevailing conditions changing gradually over a longer time period, usually about two hours.
• Intermittent	Intermittent changes expected to occur for periods of less than 30 minutes.
• Probability	Conditions expected to occur with a given probability during the stated interval.

The possible prevailing conditions values for the forecast value tag:

Weather condtions
• Drizzle
• Dust/Sand whirls
• Dust storm
• Fog
• Funnel cloud
• Hail
• Haze
• Ice crystals
• Ice pellets
• Patchy Fog
• Mist
• Rain
• Sand
• Sand storm
• Small hail
• Smoke/fumes
• Snow
• Snow grains
• Spray
• Unknown
• Precipitation
• Volcanic ash
• Widespread dust

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