Ag-Analytics

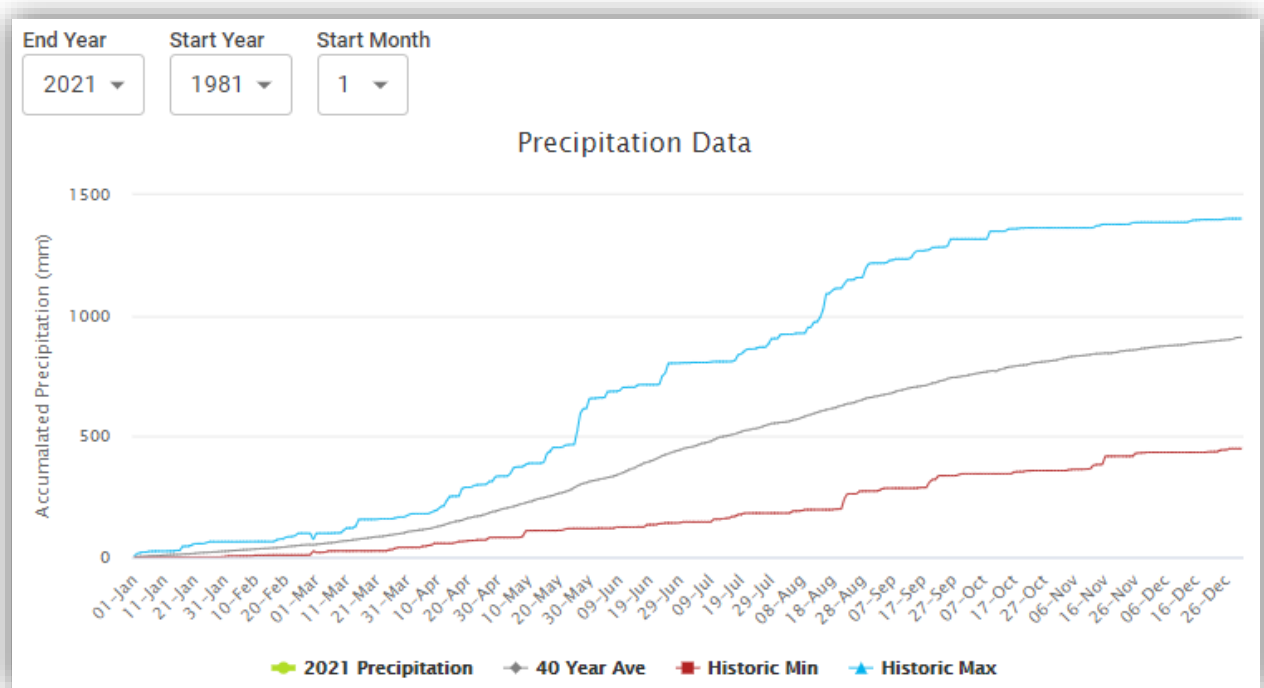# PRISM PRECIPITATION

API Documentation 2021

⬀ API Portal | ⬀ GitHub Repo | ⬀ Jupyter Notebook | ⬀ Purchase

Service Overview

The Ag-Analytics PRISM Precipitation API uses data from Oregon State University's PRISM Climate Group to provide accumulated precipitation to date for a given location. The data are updated daily and include accumulated precipitation as well as historical averages, maximums, and minimums.

PRISM Precipitation in DataLayers

GET Request

GET Request Example – application/json

https://ag-analytics.azure-api.net/precipitation/?day={day}&month={month}&year={year} &coordinateX={coordinateX} &coordinateY={coordinateY}&startYear={startYear}

```
{
"year": "2019", "month": "2", "day": "1",
"coordinateX": "-88.989338594012", "coordinateY": "40.010959177421654",
"startYear": "1981"
}
```

Header Parameters

Ocp-Apim-Subscription-Key: Subscription keys are given upon purchase -   Purchase APIs ↗

Request Parameters

Parameter	Data Type	Required?	Options	Description
year	int	Yes	"2018", "2019"	The year of which you would like to receive data up to
month	int	Yes	"5","6","7"	Data end date refinement
day	int	Yes	"1","2","3"	Data end date refinement
startYear	int	Yes	"1980", "1981"	The year you would like the historical range to start
coordinateX	float	Yes	-88.98933	X coordinate for desired location
coordinateY	float	Yes	40.010959	Y coordinate for desired location

GET Response

GET Response Example (Snippet) – application/json

```
[{"CumPrecipitation":[{"Date":"10-1","year":2019,"Accumulated Precipitation":
1073.1860000000001}, {"Date":"10-10","year":2019,"Accumulated Precipitation":
1079.788}, {"Date":"10-12","year": 2019, "Accumulated Precipitation": 1083.733},
{"Date":"10-13","year":2019, "Accumulated Precipitation":1083.733} , {"Date":"10-
14", "year":2019,"Accumulated Precipitation":1083.733}, {"Date":"10-15", "year":
2019, "Accumulated Precipitation":1083.733} , {"Date":"10-16", "year": 2019,
"Accumulated Precipitation": 1083.733}, {"Date":"10-17", "year":2019, "Accumulated
Precipitation": 1083.733}, {"Date":"10-18", "year":2019, "Accumulated
Precipitation": 1083.733}, {"Date":"10-19", "year":2019, "Accumulated
Precipitation": 1083.733}, {"Date":"10-2", "year":2019, "Accumulated
Precipitation": 1073.1860000000001}....
```

Citations:

- Oregon State University PRISM Climate Group: **http://prism.oregonstate.edu/**

Please contact **support@analytics.ag** or **josh@ag-analytics.org** with any comments or questions.

Terms of Use and Privacy