File Revision Date:
May 17, 2019

Data Set Description

PI:	Ankie Piters (piters@knmi.nl)
Instrument:	Ozonesonde
Site:	Paramaribo, Meteorological Service Suriname (MDS)
Latitude:	5.806 degrees
Longitude	-55.214 degrees
Altitude:	7 meters ASL

Measurement Quantities: Ozone, Temperature, Pressure, Humidity, Wind

Data Contact:

Name:	Marc Allaart
Address:	KNMI
	Utrechtseweg 297
	3731 GA De Bilt
	The Netherlands
Phone:	+31 30 2206449
Email:	allaart@knmi.nl

Site Contact:

Meteorological Service Suriname (MDS)

Name:	Mrs. Sukarni Sallons-Mitro
Address:	Magnesiumstraat 41
	Paramaribo
	uriname
Phone:	+597-491143
Email:	sukarnimitro@yahoo.com

Instrument Description

Sience Pump Corporation ECC-6A ozone sensor
Vaisala Radiosonde

Launch frequency

Normally there is one flight per week, timed to coincide with a satellite overpass.

Data processing

Pre-flight procedures comply with:
"Ozonesonde OES User's Guide OES-TO533-1.3 April 1991, Vaisala Oy"
From the start, all digital data from the ozone interface have been kept. This makes complete reprocessing possible.
All data have been reprocessed to comply with the "O3S-DQA-Guidelines Homogenization-V2-19November2012.pdf"

Instrument History

1999-08	first flight (RS80+GPS)
2002-11	5 minutes of ground-data before launch
2005-09	RS80 -> RS92-SGP radiosonde
2006-10	checklist in digital form
2015-02	groundstation failed
2015-06	new groundstation installed
2015-06	change in sensing solution
2017-03	record of downward phase kept
2017-10	RS92-SGP -> RS41-SGP radiosonde
2017-11	stopped exposure to HI-O3 on day of flight
2018-08	water activated battery was replaced with lithium batteries
2019-05	this document was last updated

Known issue

In 2015-06 we found that the recipe for the sensing solution was incorrect. It was corrected at that time. A transfer function was establised to correct the data prior to 2015-06. The corrected data has version number "03".