

## Supplementary Information for

### Assessment of remote sensing-based indices for drought monitoring in the North-western region of Bangladesh

**Ashim C. Das<sup>1</sup>, Shihab A. Shahriar<sup>1,2</sup>, Md. A. Chowdhury<sup>3</sup>, Md. Lokman Hossain<sup>4,5</sup>, Shahed Mahmud<sup>1</sup>, Md. Kamruzzaman Tusar<sup>1</sup>, Romel Ahmed<sup>6</sup>, Mohammed Abdus Salam<sup>1\*</sup>**

<sup>1</sup>Department of Environmental Science and Disaster Management, Noakhali Science and Technology University, Noakhali 3814, Bangladesh

<sup>2</sup>Department of Earth and Atmospheric Sciences University of Houston, TX 77004, USA

<sup>3</sup>Department of Climate and Disaster Management, Jashore University of Science and Technology, Jashore- 7408, Bangladesh

<sup>4</sup>Department of Environment Protection Technology, German University Bangladesh, Gazipur, Bangladesh

<sup>5</sup>Department of Geography, Hong Kong Baptist University, Hong Kong, China

<sup>6</sup>Department of Forestry and Environmental Science, Shahjalal University of Science and Technology, Sylhet 3114, Bangladesh

\*Corresponding Author

**Mohammed Abdus Salam** (E-mail: [masalam.esdm@nstu.edu.bd](mailto:masalam.esdm@nstu.edu.bd));

Telephone: +8801917635348

**Table S1:** Detailed information of the collected satellite data.

<b>Year</b>	<b>Acquisition Date</b>	<b>Path/Row</b>	<b>Landsat</b>	<b>Sensor</b>	<b>Number of Bands</b>	<b>Cell Size</b>	<b>Data Format</b>
1990	14/11/1990	138-42	5	TM	7	30	GeoTiff
	14/11/1990	138-43					
	23/10/1990	139-42					
	23/10/1990	139-43					
1995	28/10/1995	138-42	5	TM	7	30	GeoTiff
	28/10/1995	138-43					
	13/10/1995	139-42					
	12/10/1995	139-43					
2000	18/10/2000	138-42	5	TM	7	30	GeoTiff
	7/10/2000	138-43					
	13/11/2000	139-42					
	16/11/2000	139-43					
2005	07/11/2005	138-42	5	TM	7	30	GeoTiff
	08/11/2005	138-43					
	14/11/2005	139-42					
	14/11/2005	139-43					
2010	05/11/2010	138-42	8	OLI/TIRS	11	30	GeoTiff
	11/10/2010	138-43					
	12/11/2010	139-42					
	14/11/2010	139-43					
2015	17/10/2015	138-42	8	OLI/TIRS	11	15,30	GeoTiff
	18/10/2015	138-43					
	26/11/2015	139-42					
	25/11/2015	139-43					
2020	02/10/2020	138-42	8	OLI/TIRS	11	15,30	GeoTiff
	02/10/2020	138-43					
	23/11/2020	139-42					
	23/11/2020	139-43					