1. Creating an Excel File Using ODS EXCEL

```
ods excel file="&outpath/StormStats.xlsx"
    style=snow
    options(sheet_name='South Pacific Summary');
ods noproctitle;
title;

proc means data=pg1.storm_detail maxdec=0 median max;
    class Season;
    var Wind;
    where Basin='SP' and Season in (2014,2015,2016);
run;

ods excel options(sheet_name='Detail');

proc print data=pg1.storm_detail noobs;
    where Basin='SP' and Season in (2014,2015,2016);
    by Season;
run;

ods excel close;
ods proctitle;
```

2. Creating a Word Document with ODS RTF

```
ods rtf file="&outpath/ParkReport.rtf" style=Journal startpage=no;

ods noproctitle;
options nodate;
title "US National Park Regional Usage Summary";

proc freq data=pg1.np_final;
    tables Region / nocum;
run;

proc means data=pg1.np_final mean median max nonobs maxdec=0;
    class Region;
    var DayVisits Campers;
run;

ods rtf style=SASDocPrinter;
title2 'Day Visits vs. Camping';
proc sgplot data=pg1.np_final;
    vbar  Region / response=DayVisits;
    vline Region / response=Campers;
run;
title; ods proctitle;
ods rtf close;
options date;
```

3. Creating a Landscape Report with ODS PDF

```
options orientation=landscape;
ods pdf file="&outpath/StormSummary.PDF" style=Journal
        nobookmarkgen;
title1 "2016 Northern Atlantic Storms";

ods layout gridded columns=2 rows=1;
ods region;
proc sgmap plotdata=pg1.storm_final;
    *openstreetmap;
    esrimap
        url='http://services.arcgisonline.com/arcgis/rest/services/
             World_Physical_Map';
    bubble x=lon y=lat size=maxwindmph / datalabel=name
           datalabelattrs=(color=red size=8);
    where Basin='NA' and Season=2016;
    keylegend 'wind';
run;

ods region;
proc print data=pg1.storm_final noobs;
    var name StartDate MaxWindMPH StormLength;
    where Basin="NA" and Season=2016;
    format StartDate monyy7.;
run;

ods layout end;
ods pdf close;
options orientation=portrait;
```

End of Solutions