Subject: Re: AGNs in GOODS-N
From: Emanuele Daddi <emanuele.daddi@neuf.fr>
Date: 22/10/2016, 20:37
To: Daizhong LIU <dzliu@pmo.ac.cn>

> On 22 Oct 2016, at 20:17, Daizhong LIU <dzliu@pmo.ac.cn> wrote:
>
> Hi Emanuele,
>
> I see, thanks! Should I constrain SED S/N ratio? With the criteria
>
> (f_OBS-f_SED)/quadratic-sigma-sqare > 3
>
> and (f_OBS>2*f_SED)

just the two conditions above, the two below down there are not needed. Although they won't make much difference.

> and (f_SED>3*e_SED) and (f_OBS>3*e_OBS)
>
> we got only about half of previous number, 154, mostly because the (f_SED>3*e_SED) item. Without set S/N ratio constraint we got 215 sources.
>
> Please find the attached figure and list. Both with and without S/N ratio constraint are given here.
>
> Best wishes!
>
> Daizhong
>
> On 10/22/2016 03:00 AM, Emanuele Daddi wrote:
>
> > Uhm, no. You should use the previous condition, that you had labeled on the plot.
> > AND an additional condition, f_obs>2*f_sed
> > so you should be left with less radio AGNs
> >
> > EManuele
> >
> > > On 21 Oct 2016, at 19:17, Daizhong LIU <dzliu@pmo.ac.cn> wrote:
> > >
> > > Hi Emanuele,
> > >
> > > Yes, sure! So I'm just using

> > > f_{Obs} > 2.0*f_{SED} && f_{Obs} > 3.0*e_{Obs} && f_{SED} > 3.0 * e_{SED}
>
> right? Please see the attached figure and the list of additional 77 sources. Previous sources are not shown in this list, this is only newly added with the above criterion.
>
> Best wishes!
>
> Daizhong
>
> On 10/21/2016 04:11 AM, Emanuele Daddi wrote:
>
> > many thanks Daizhong! I think that in addition to the SN>3 criterion we should also implement that there is a significant radio excess beyond the thickness of the radio-IR correlation. So, can you also impose obs/pred>2 ? I think we should do this systematically
> > thanks
> > emanuele
> >
> > On 20 Oct 2016, at 19:53, Daizhong LIU <dzliu@pmo.ac.cn> wrote:
> >
> > > Hi Emanuele,
> > >
> > > Sound very exciting project! Thanks a lot for including me! Please find the attached plot and list of radio AGNs in GOODSN.
> > >
> > > Best wishes!
> > >
> > > Daizhong
> > >
> > > On 10/19/2016 04:48 PM, Emanuele Daddi wrote:
> > >
> > > > Hi Daizhong,
> > > >
> > > > can you send me a catalog of GOODS-N sources with radio excess AGNs ? this would be very useful for future SKA things, there could be papers coming out etc.
> > > >
> > > > I would need the observed radio, the expected radio from SF only (so to calculate radio AGN only), and also ID, RA, DEC, redshift. Only for radio AGNs.
> > > >
> > > > Would you be able to send this to me in the next days ? I will involve you in what will come out, of course.

> > > > > > Thanks!
> > > > > > Emanuele
> > > > >
> > > > > <list_of_radio_AGNs_in_GOODSN_20161020a.pdf>
> > > > > <list_of_radio_AGNs_in_GOODSN_20161020a.readme>
> > > > > <list_of_radio_AGNs_in_GOODSN_20161020a.txt>
> > > >
> > > > <list_of_radio_AGNs_in_GOODSN_20161021a_in_addition.pdf>
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> > >
> > > <list_of_radio_AGNs_in_GOODSN_20161022a_two_criteria.pdf>
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> > > <list_of_radio_AGNs_in_GOODSN_20161022b_two_criteria_without_SNR_constraint.pdf>
> > > <list_of_radio_AGNs_in_GOODSN_20161022b_two_criteria_without_SNR_constraint.txt>